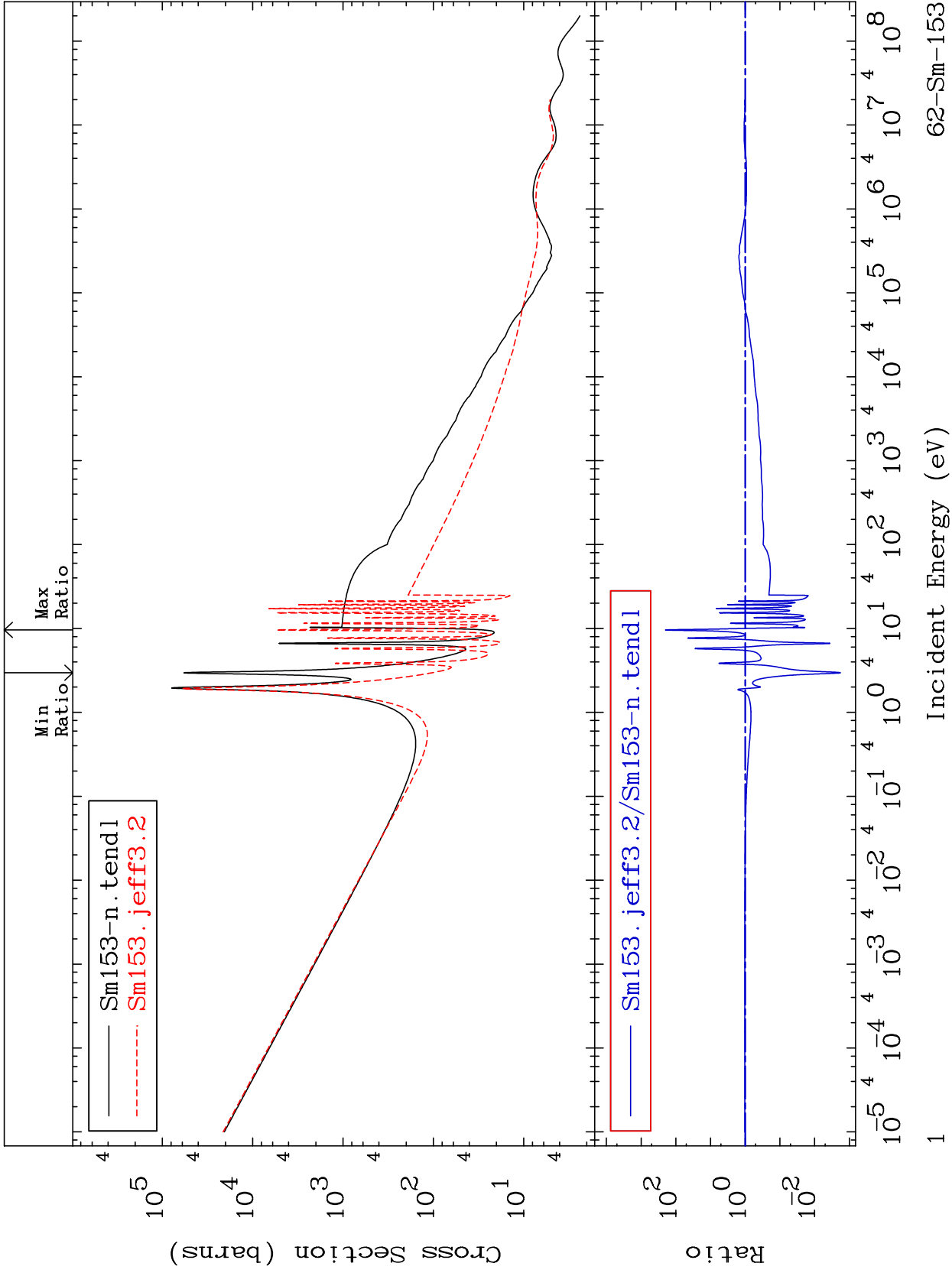


MAT 6252

Total Cross Section
62-Sm-153
-99.82 To 9999. %



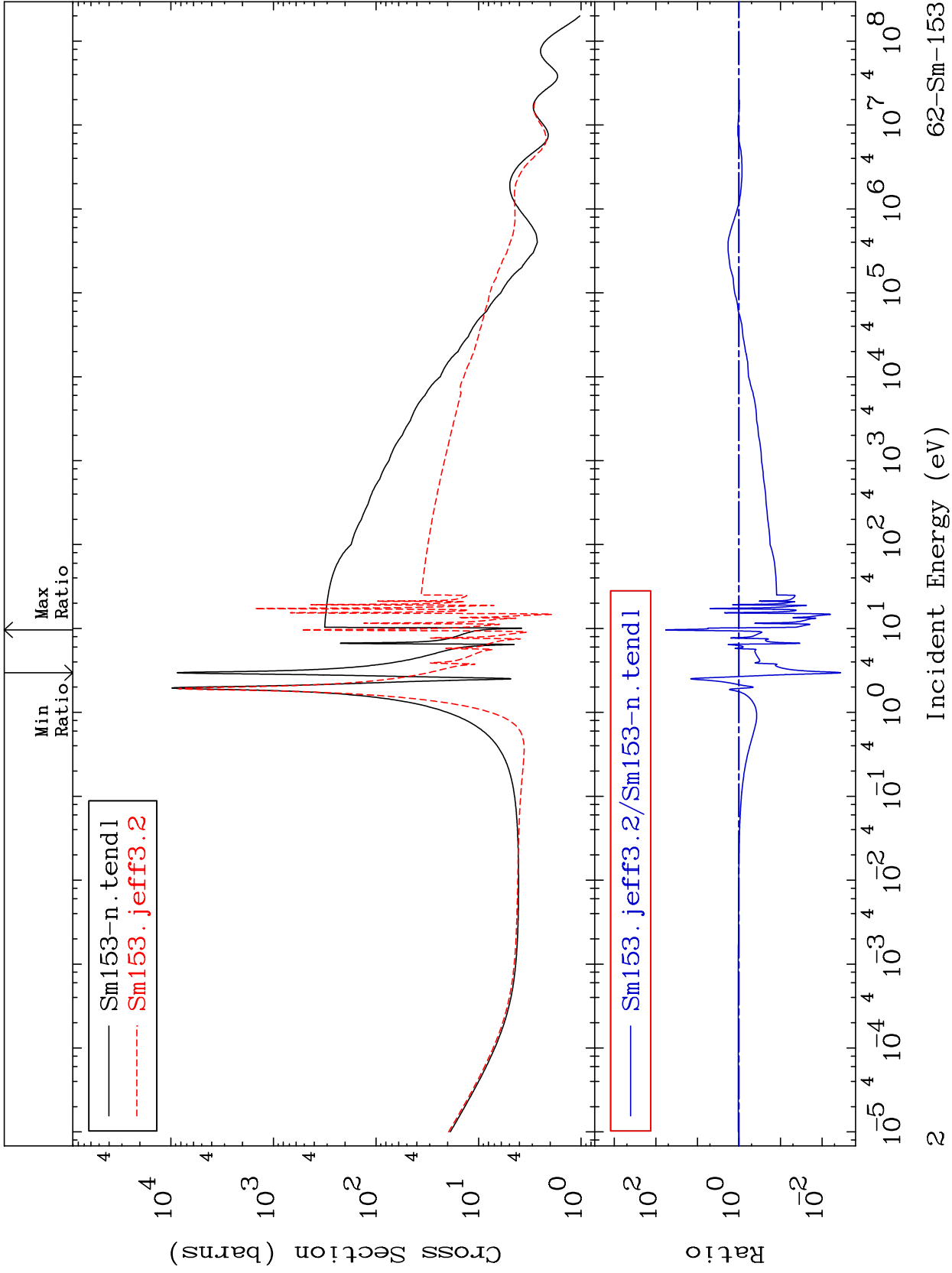
62-Sm-153

Incident Energy (eV)

MAT 6252

Elastic
Cross Section

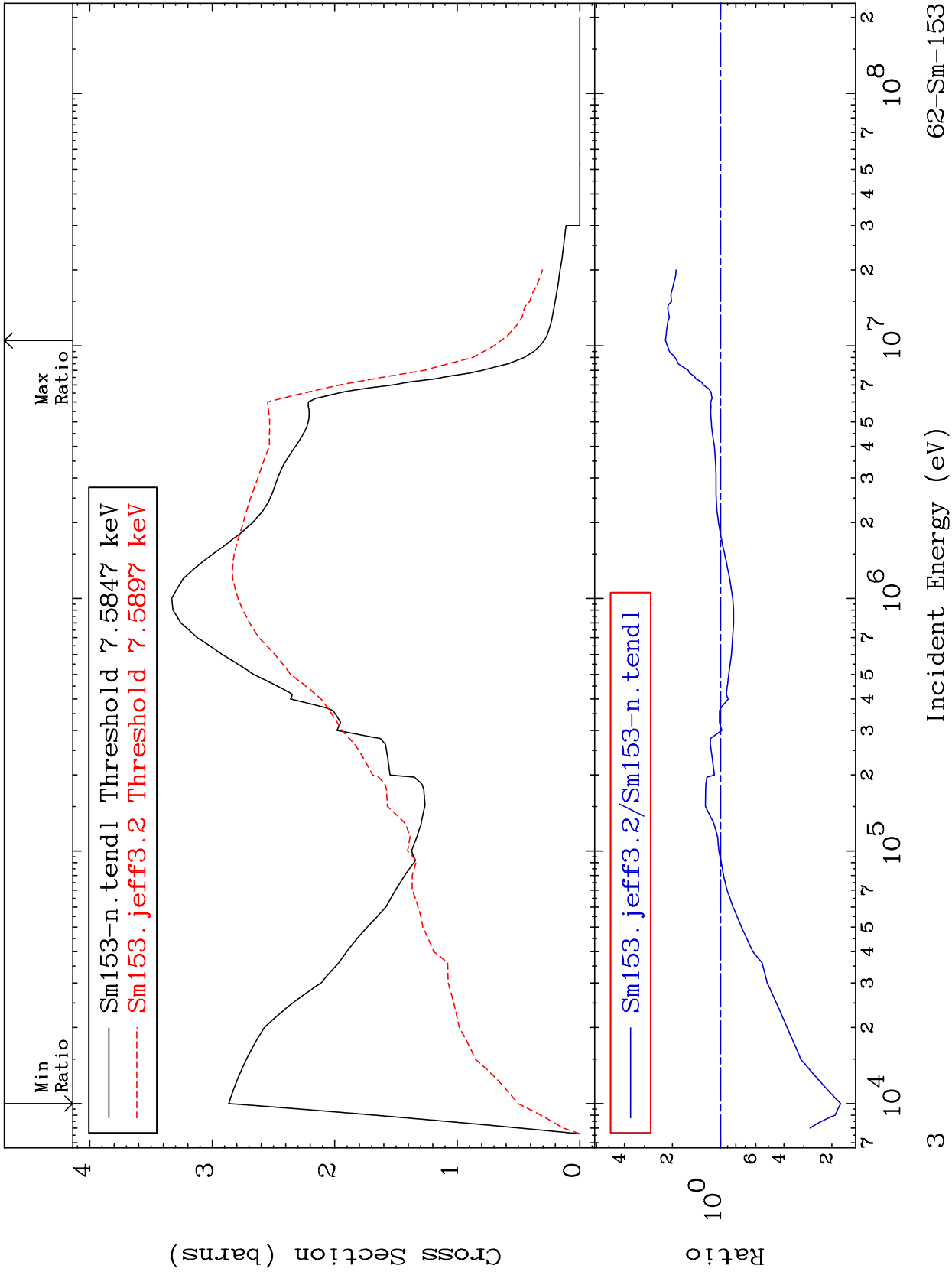
62-Sm-153
-99.64 To 5767. %



MAT 6252

Inelastic
Cross Section

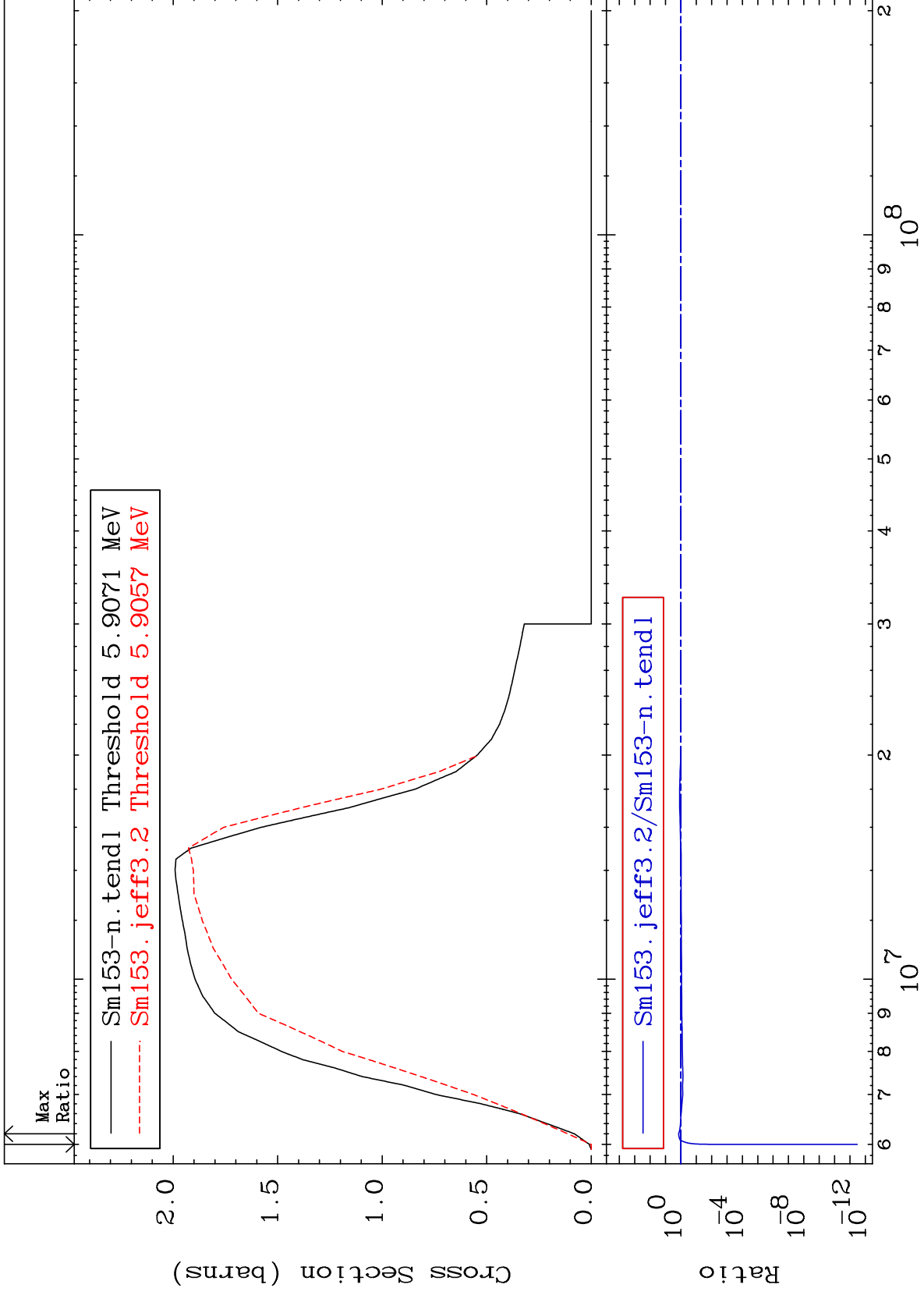
62-Sm-153
-82.39 To 121.2 %



MAT 6252

(n,2n)
Cross Section

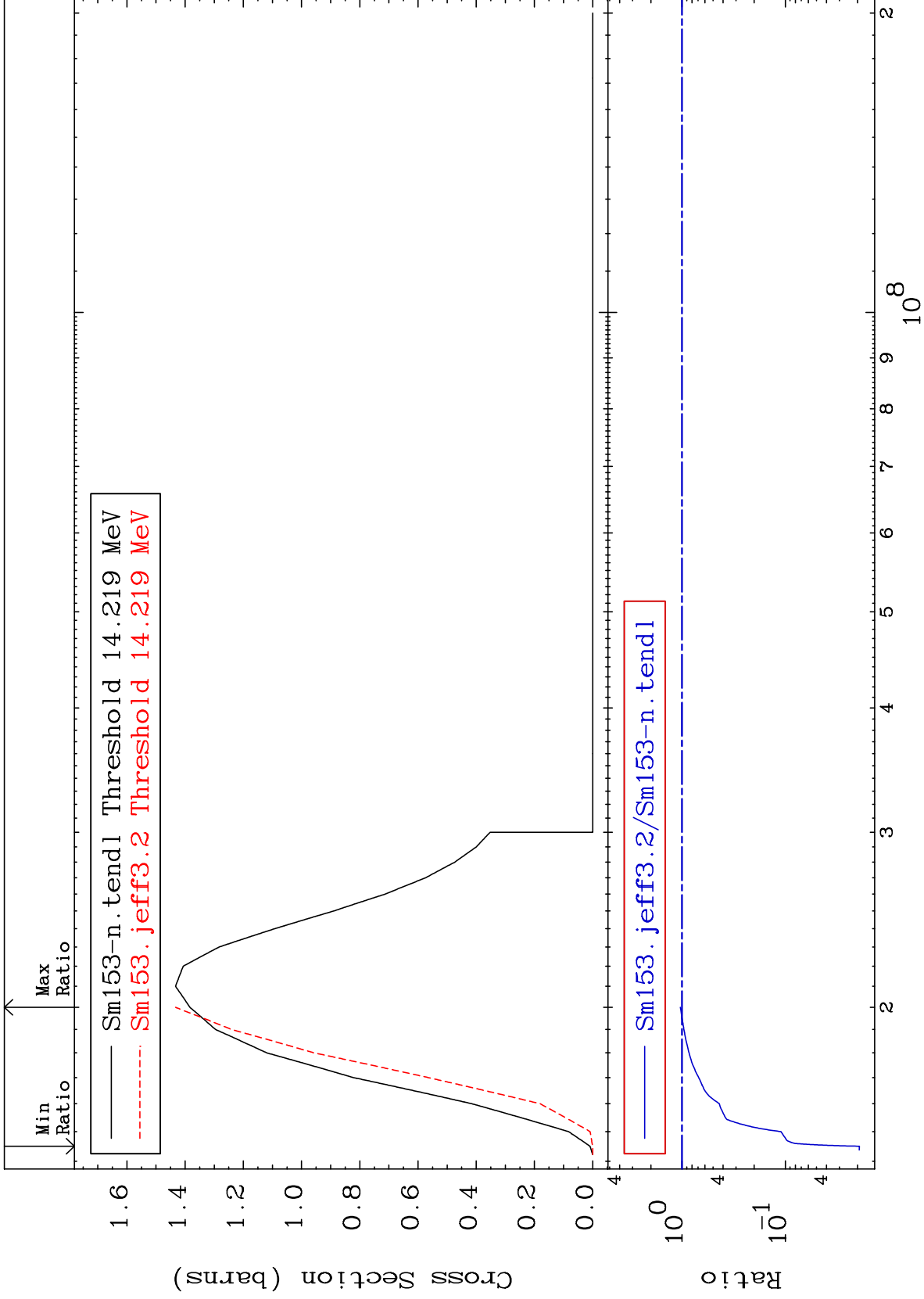
62-Sm-153
-100.0 To 39.72 %



MAT 6252

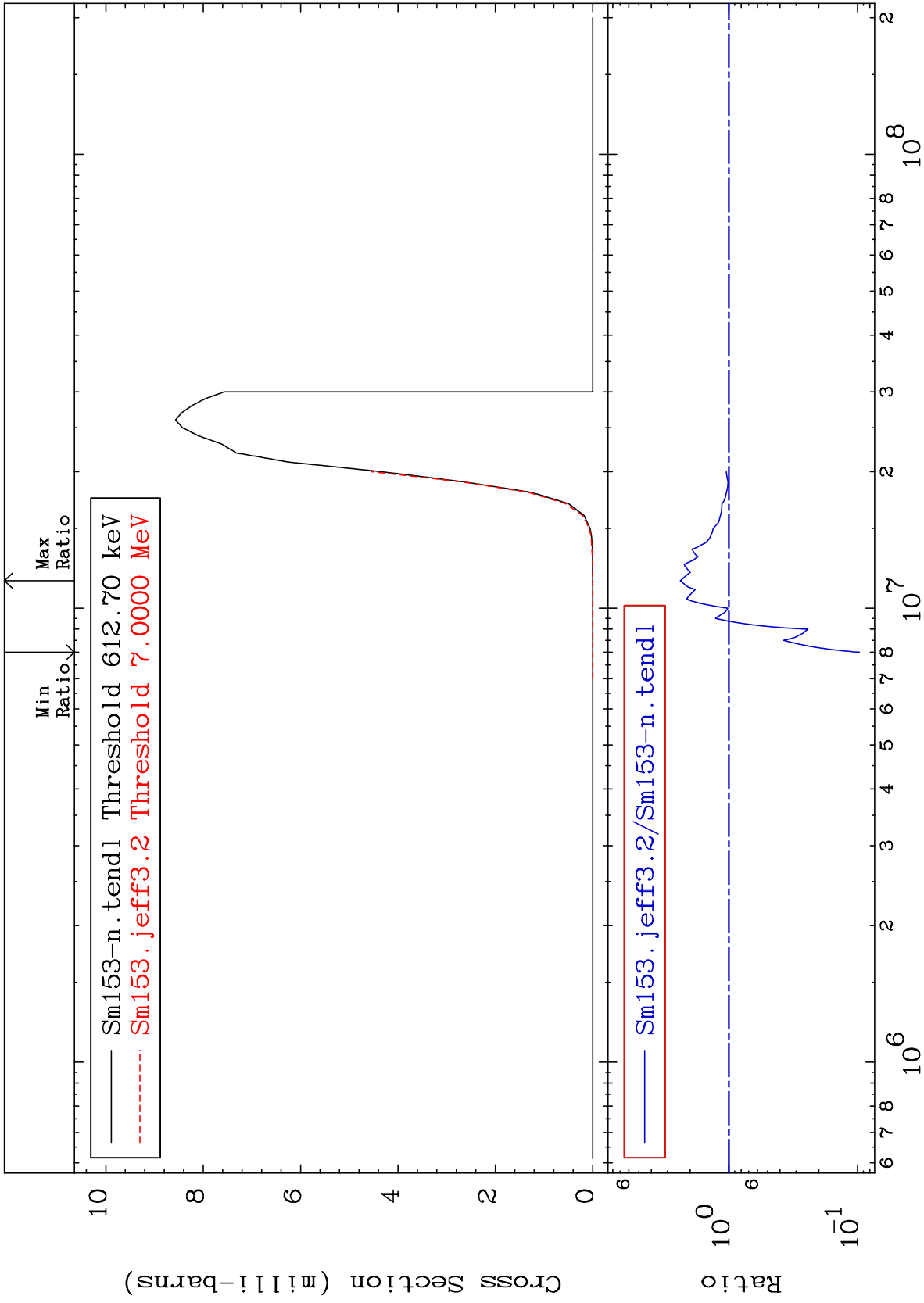
(n, 3n)
Cross Section

62-Sm-153
-98.08 To 3.592 %



MAT 6252

$(n, n') \alpha$ Cross Section
62-Sm-153
-90.34 To 138.1 %



6

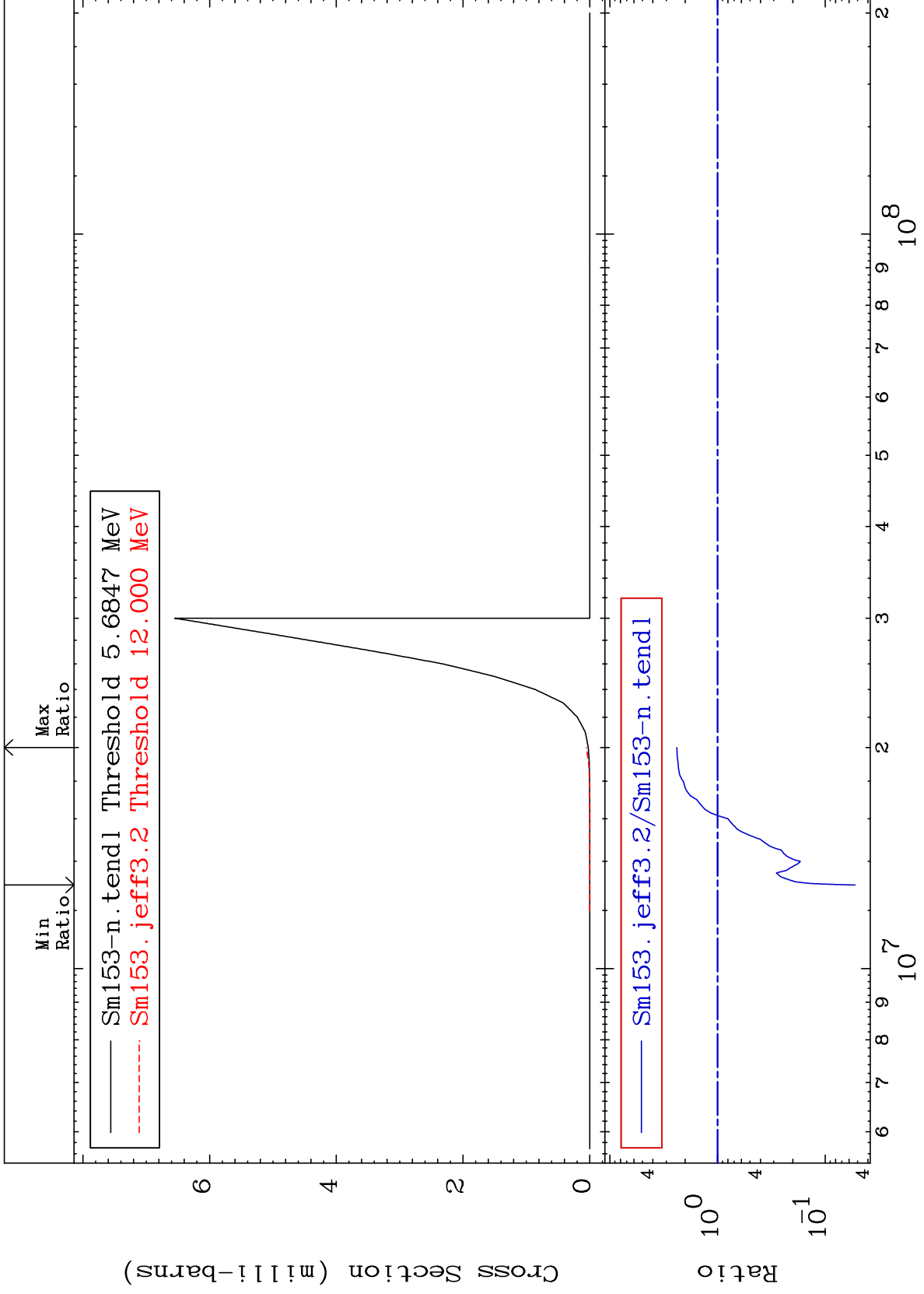
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,2n) α
Cross Section

62-Sm-153
-94.73 To 138.6 %



7

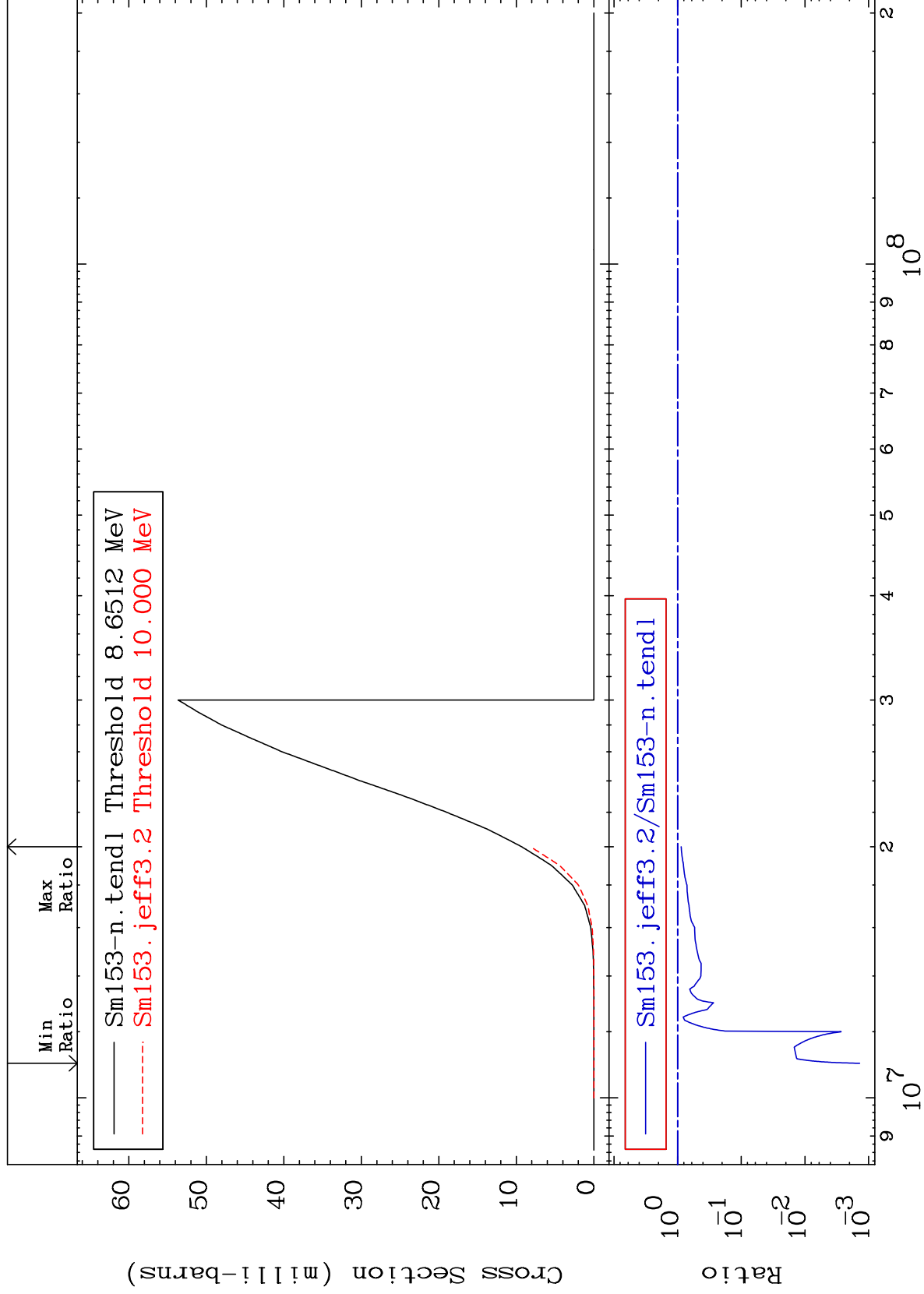
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,n') p
Cross Section

62-Sm-153
-99.86 To -12.13%



8

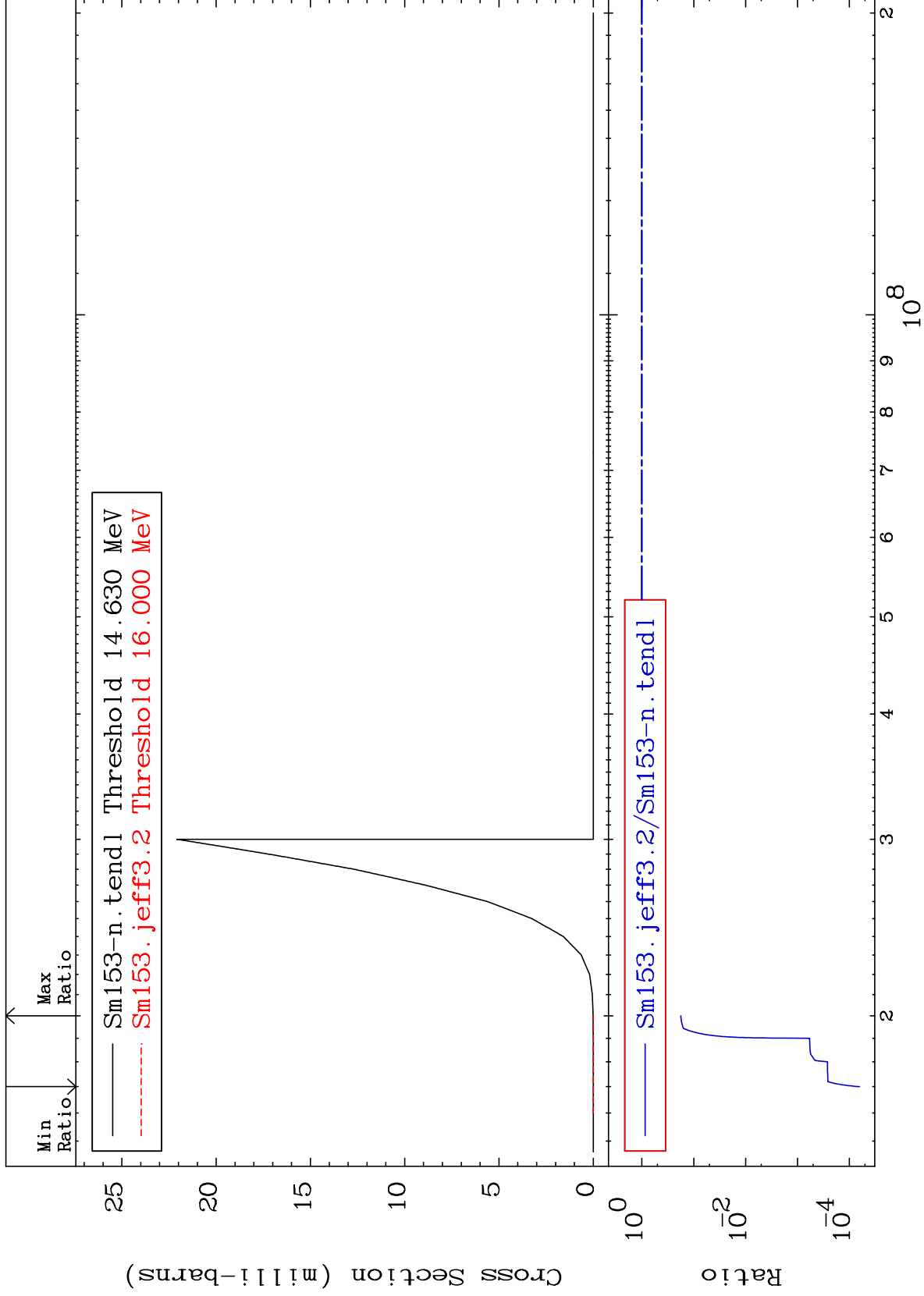
Incident Energy (eV)

62-Sm-153

MAT 6252

(n,2n) p
Cross Section

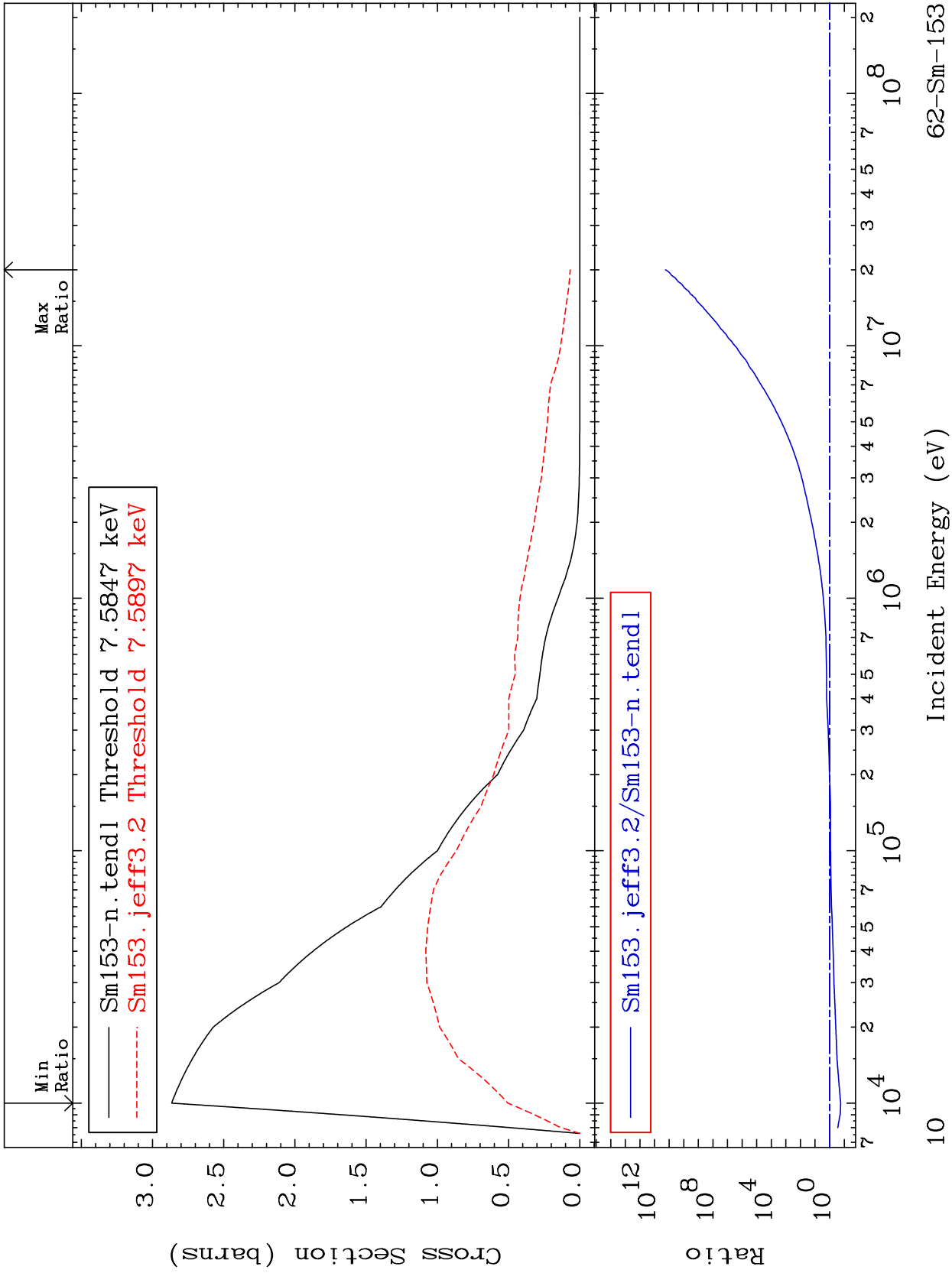
62-Sm-153
-99.99 To -82.20%



MAT 6252

7.535 keV (n,n') Level
Cross Section

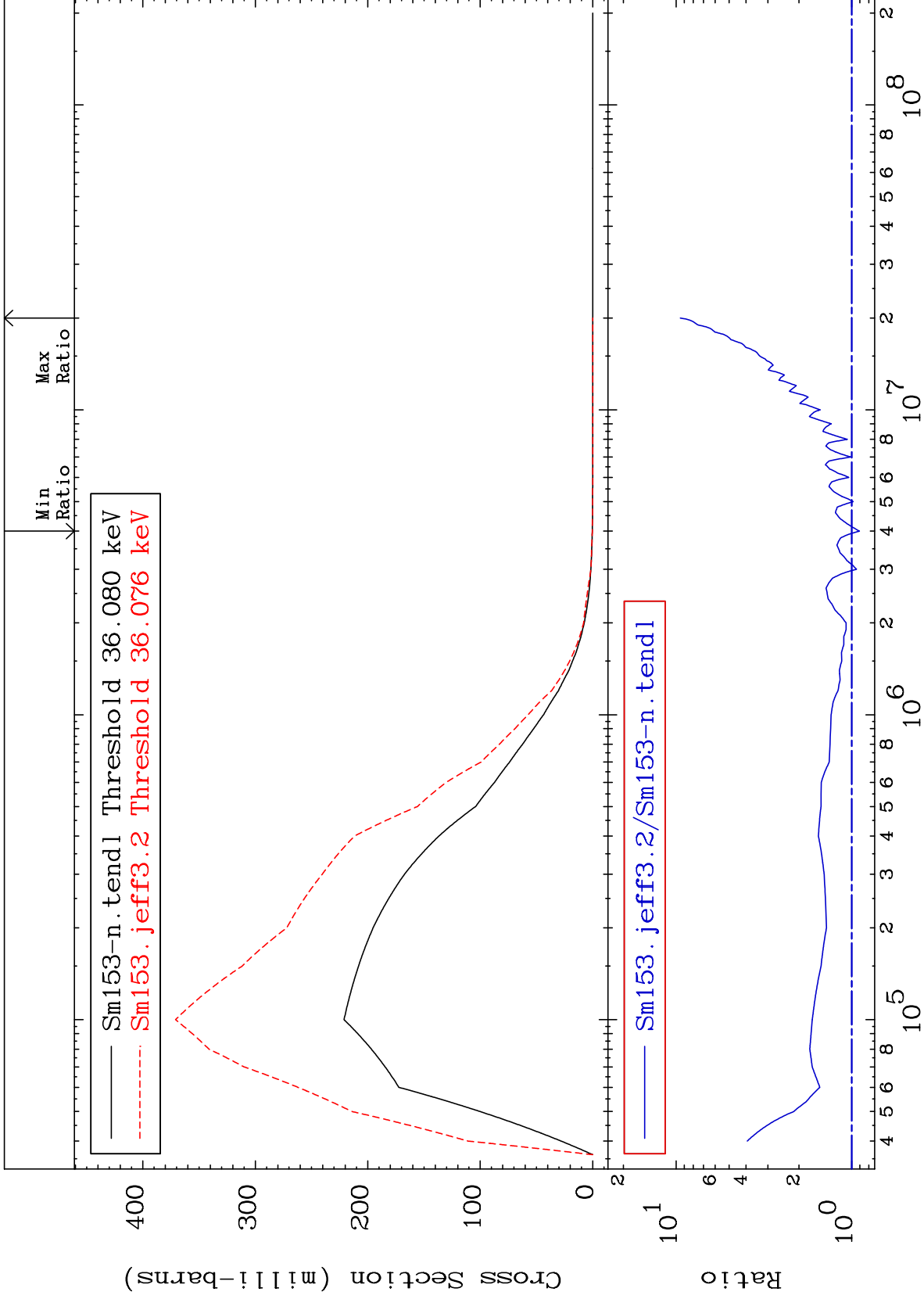
62-Sm-153
-82.39 To 9999. %



MAT 6252

35.84 keV (n,n') Level
Cross Section

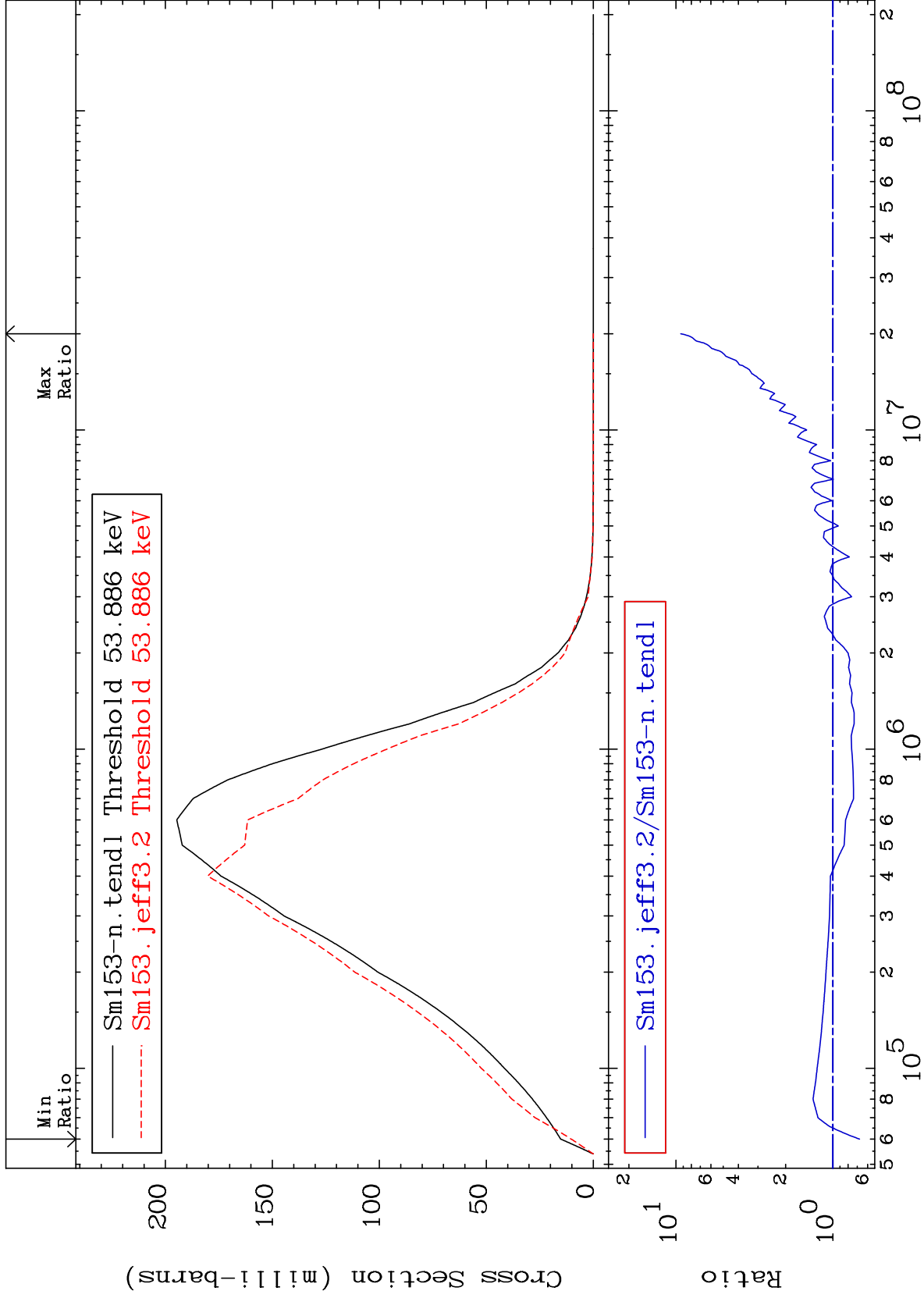
62-Sm-153
-9.571 To 846.4 %



MAT 6252

53.53 keV (n,n') Level
Cross Section

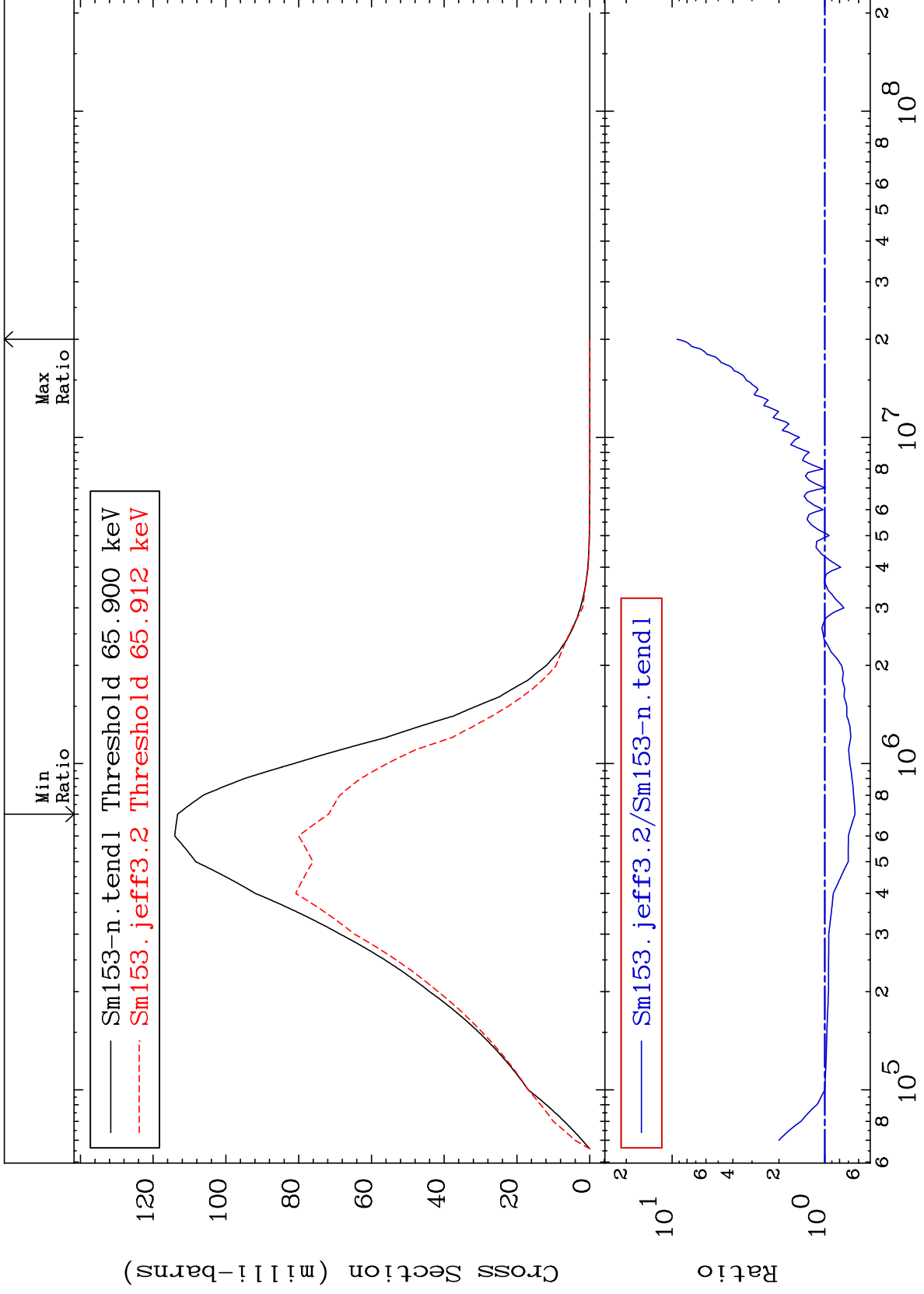
62-Sm-153
-32.38 To 832.9 %



MAT 6252

65.47 keV (n,n') Level
Cross Section

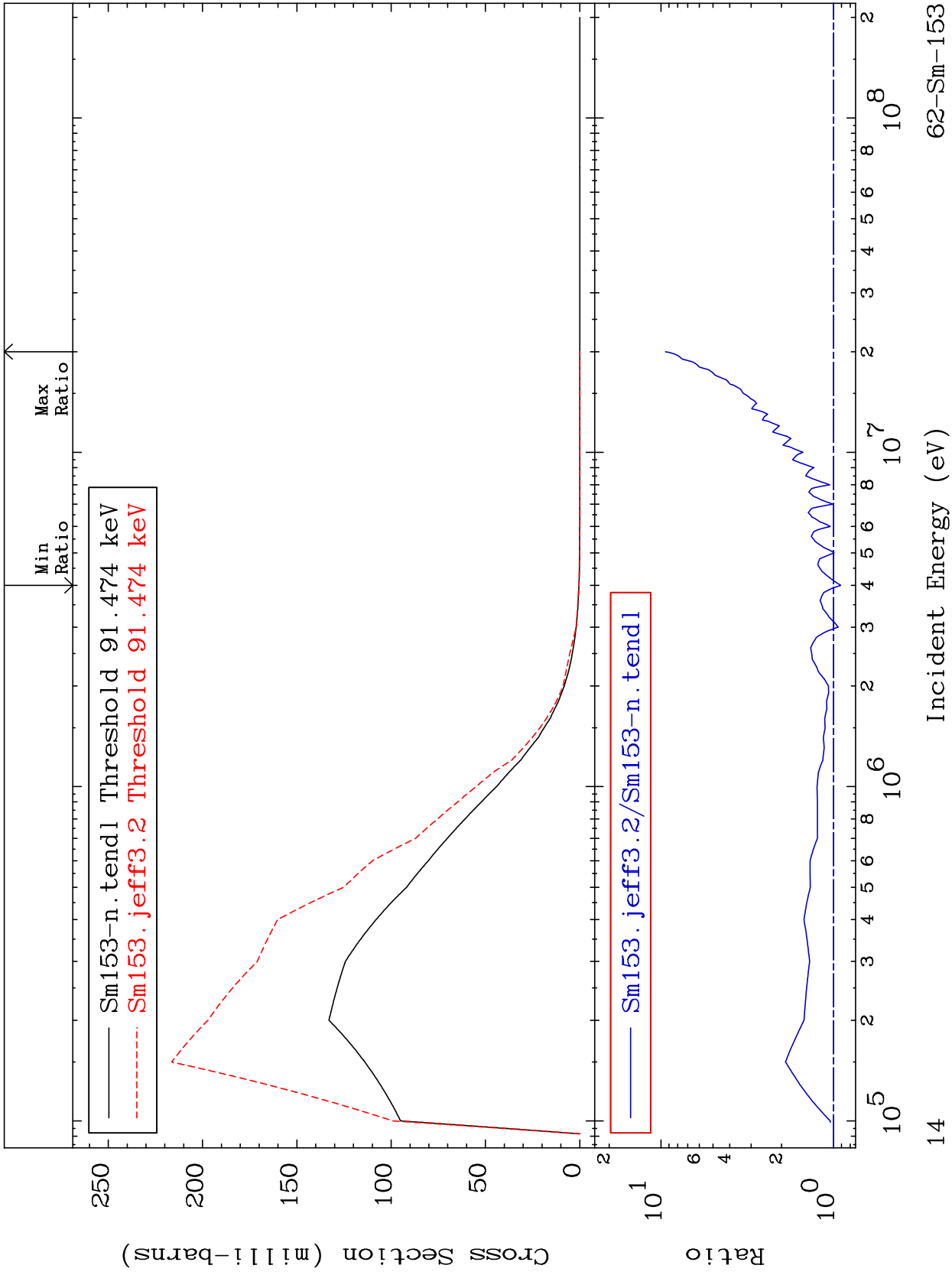
62-Sm-153
-36.65 To 830.6 %



MAT 6252

90.88 keV (n,n') Level
Cross Section

62-Sm-153
-9.135 To 842.3 %



14

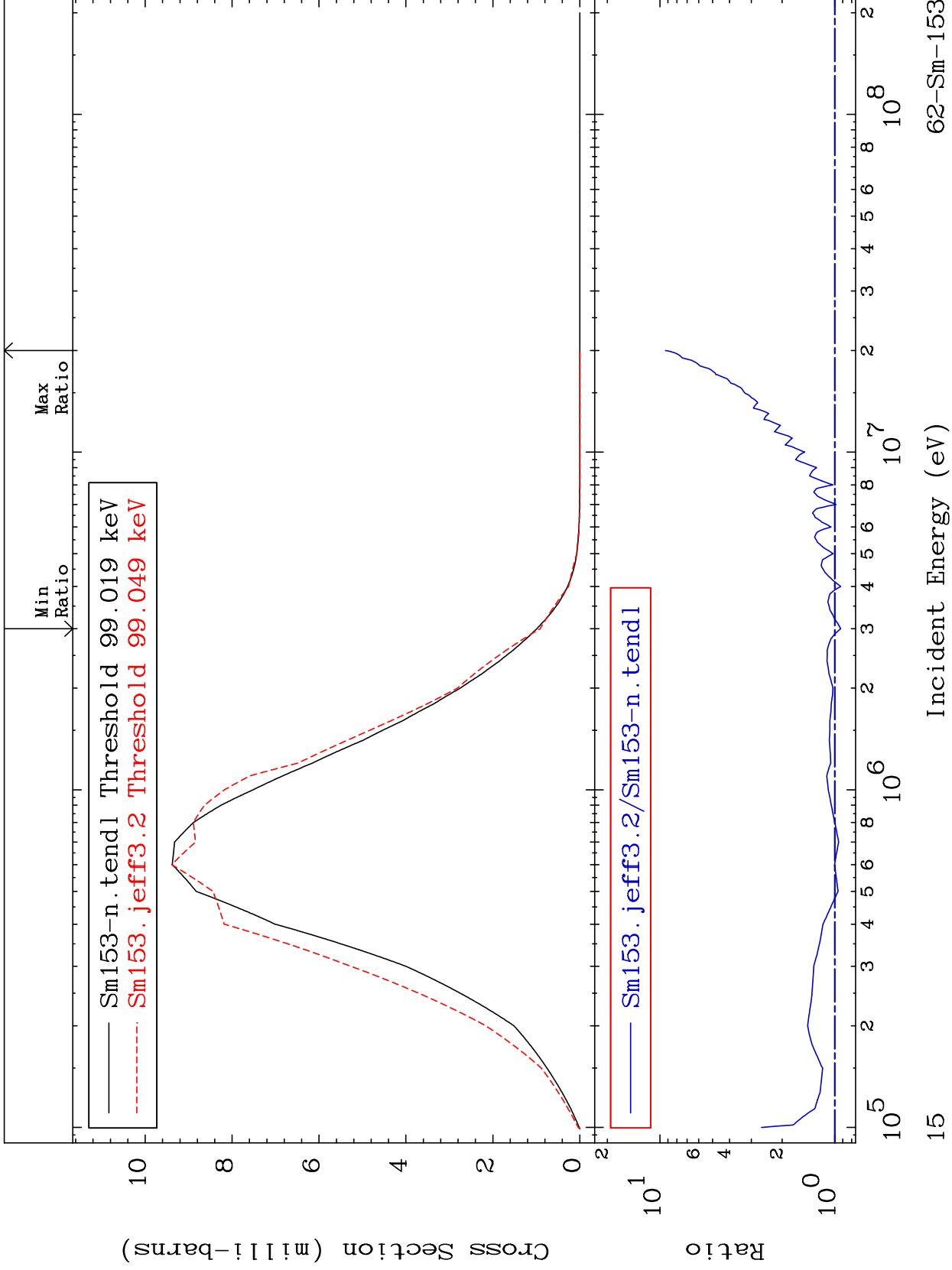
Incident Energy (eV)

62-Sm-153

MAT 6252

98.37 keV (n,n') Level
Cross Section

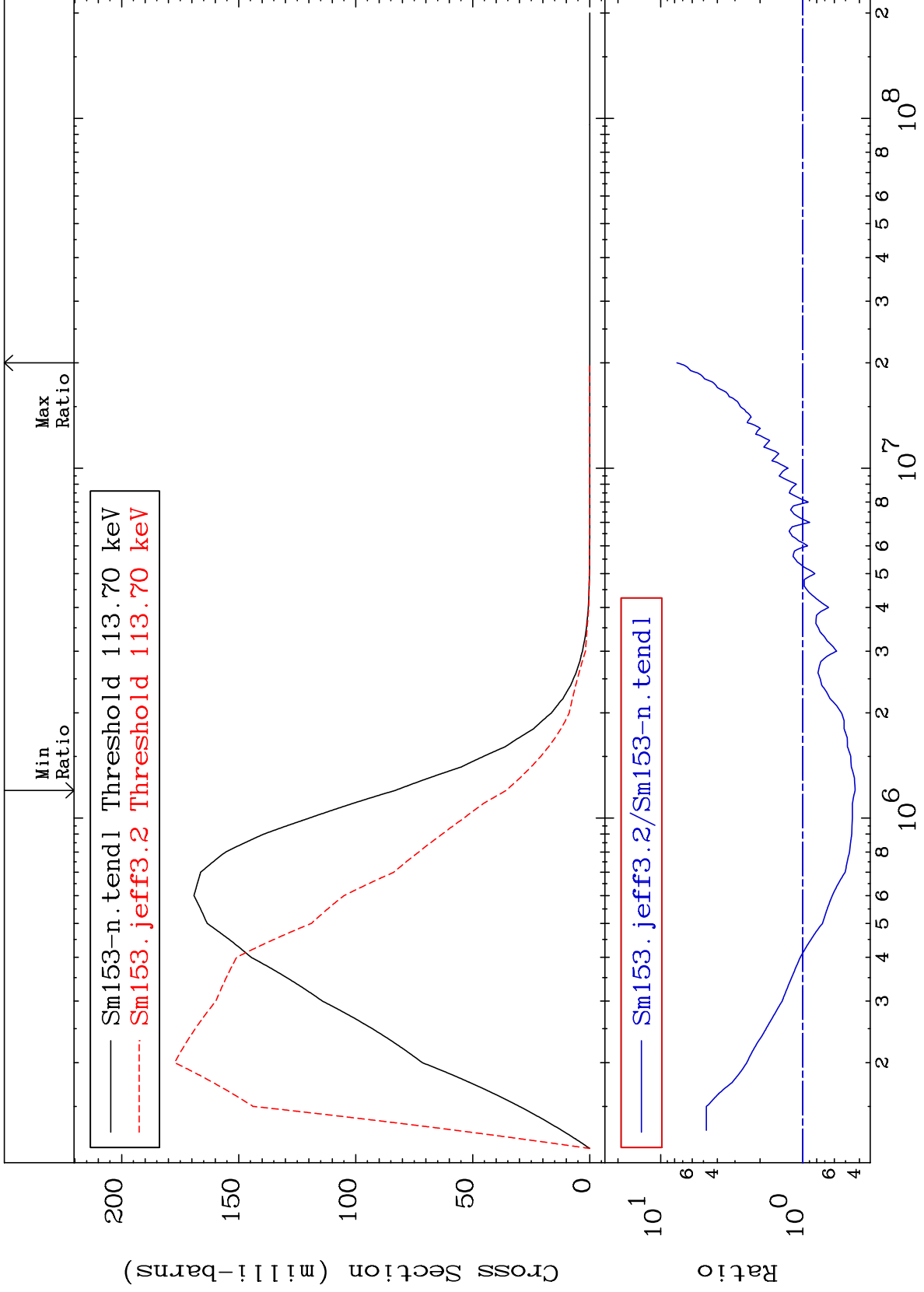
62-Sm-153
-7.599 To 829.0 %



MAT 6252

113.0 keV (n,n') Level
Cross Section

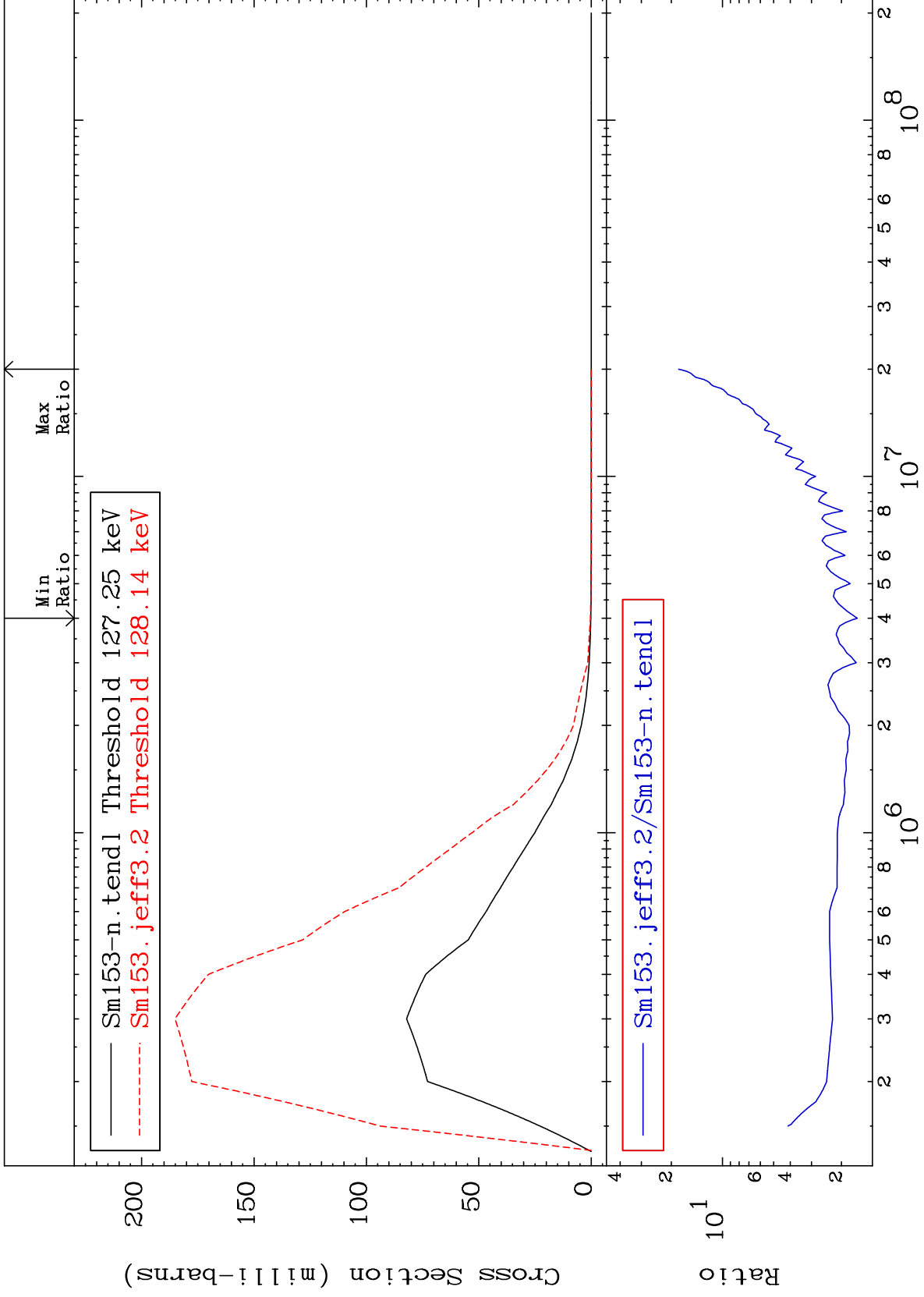
62-Sm-153
-57.12 To 669.6 %



MAT 6252

126.4 keV (n,n') Level
Cross Section

61.23 To 1713. %
62-Sm-153



17

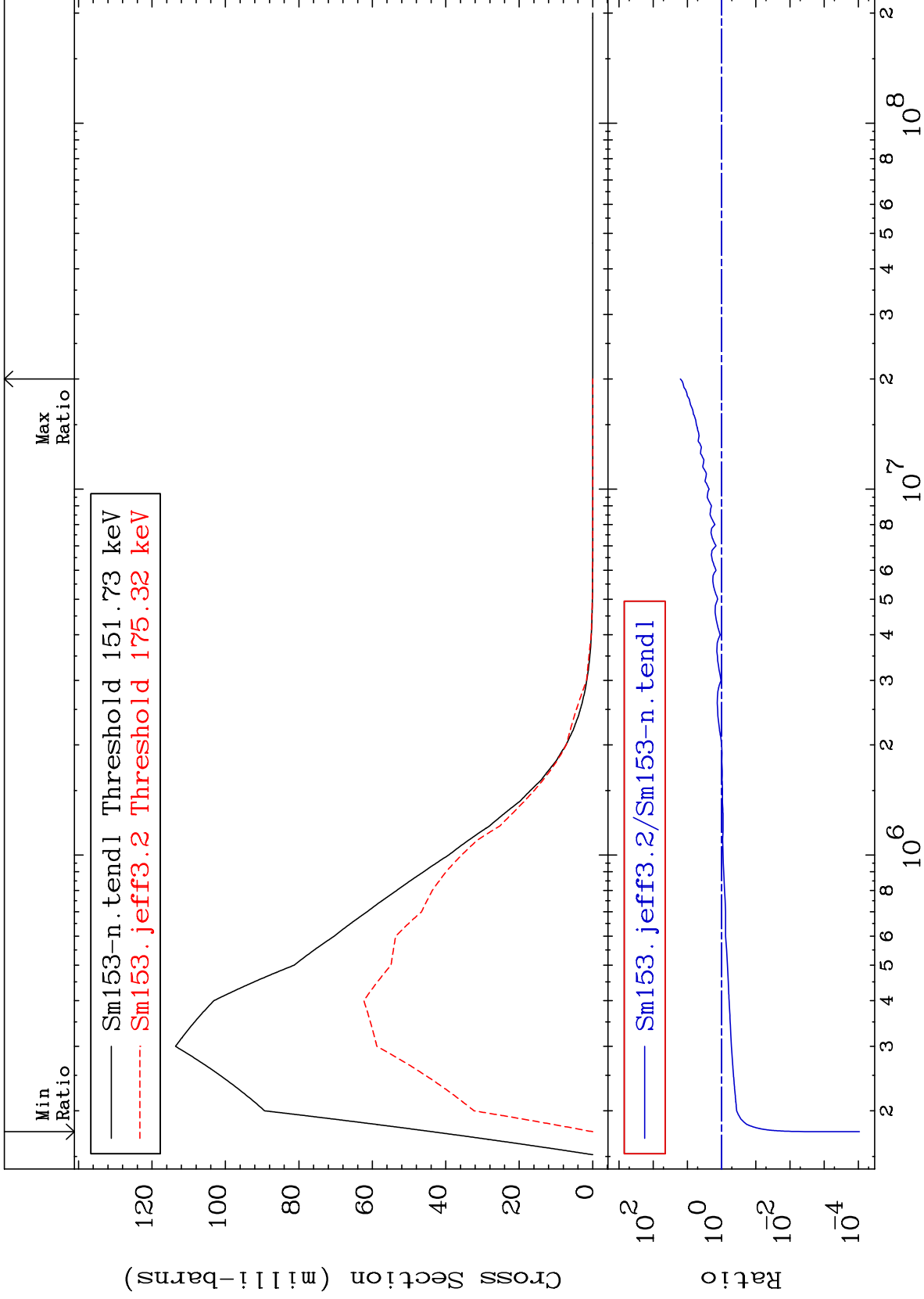
Incident Energy (eV)

62-Sm-153

MAT 6252

150.7 keV (n,n') Level
Cross Section

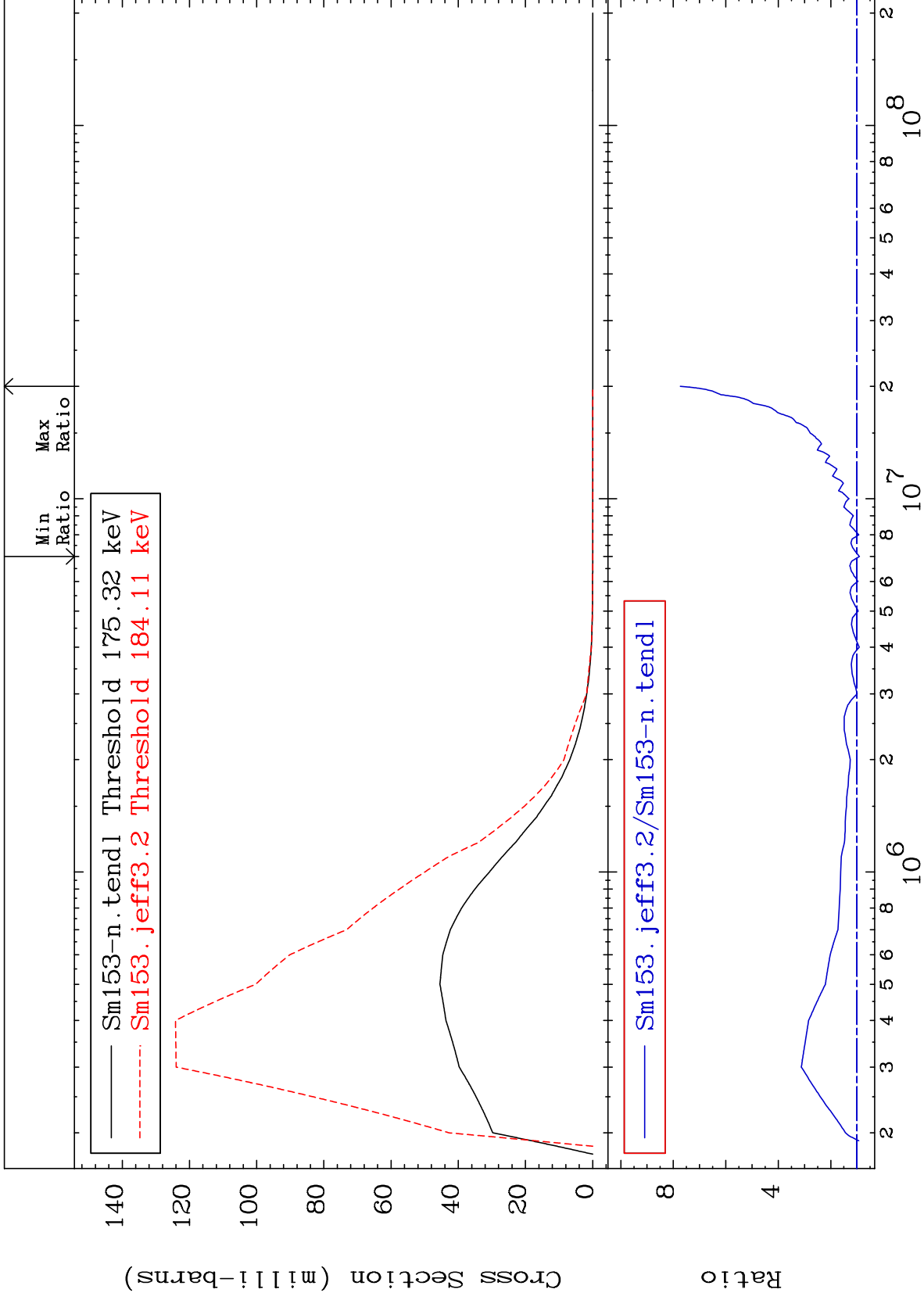
62-Sm-153
-99.99 To 1502. %



MAT 6252

174.2 keV (n,n') Level
Cross Section

62-Sm-153
-9.239 To 673.1 %



19

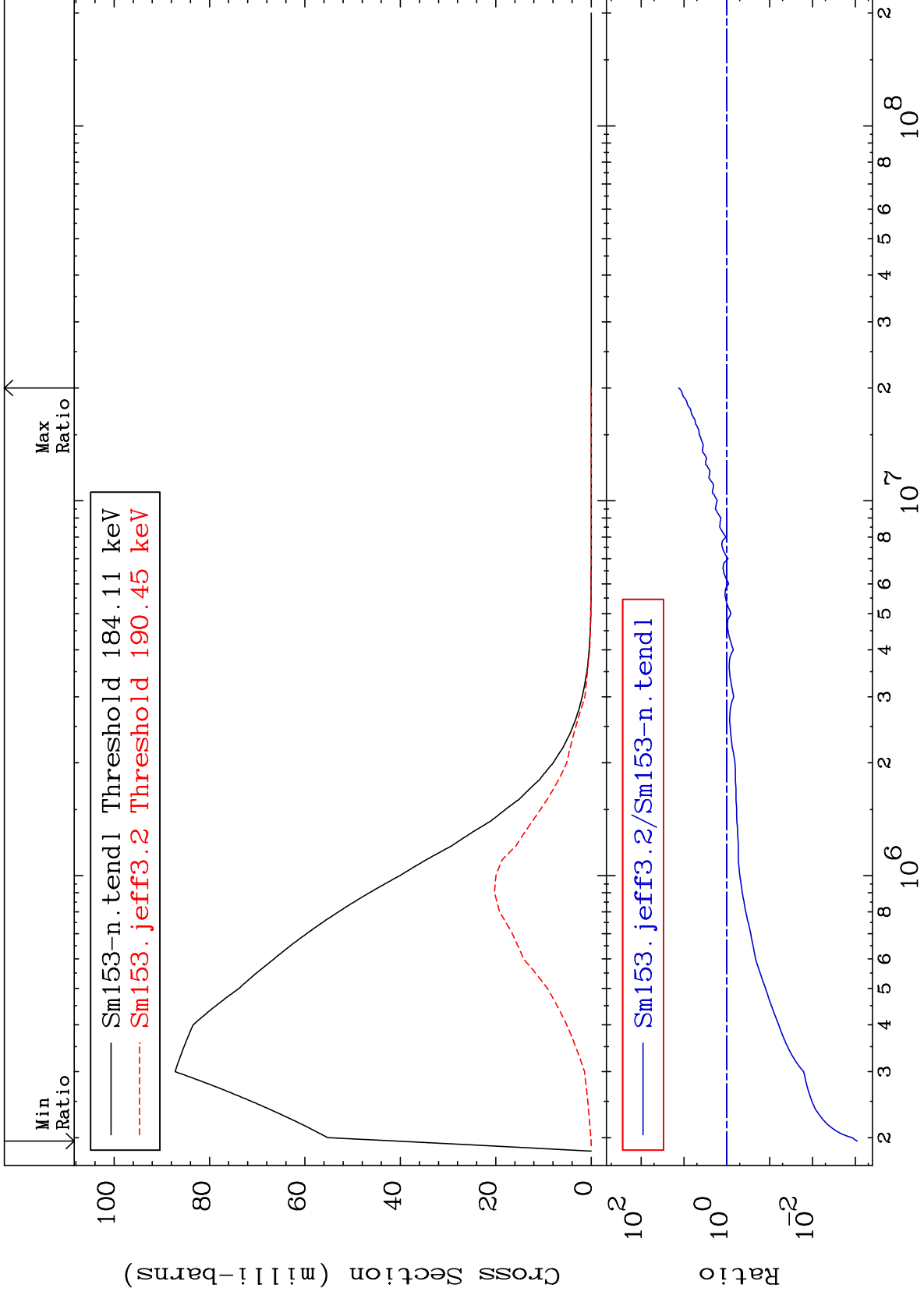
Incident Energy (eV)

62-Sm-153

MAT 6252

182.9 keV (n,n') Level
Cross Section

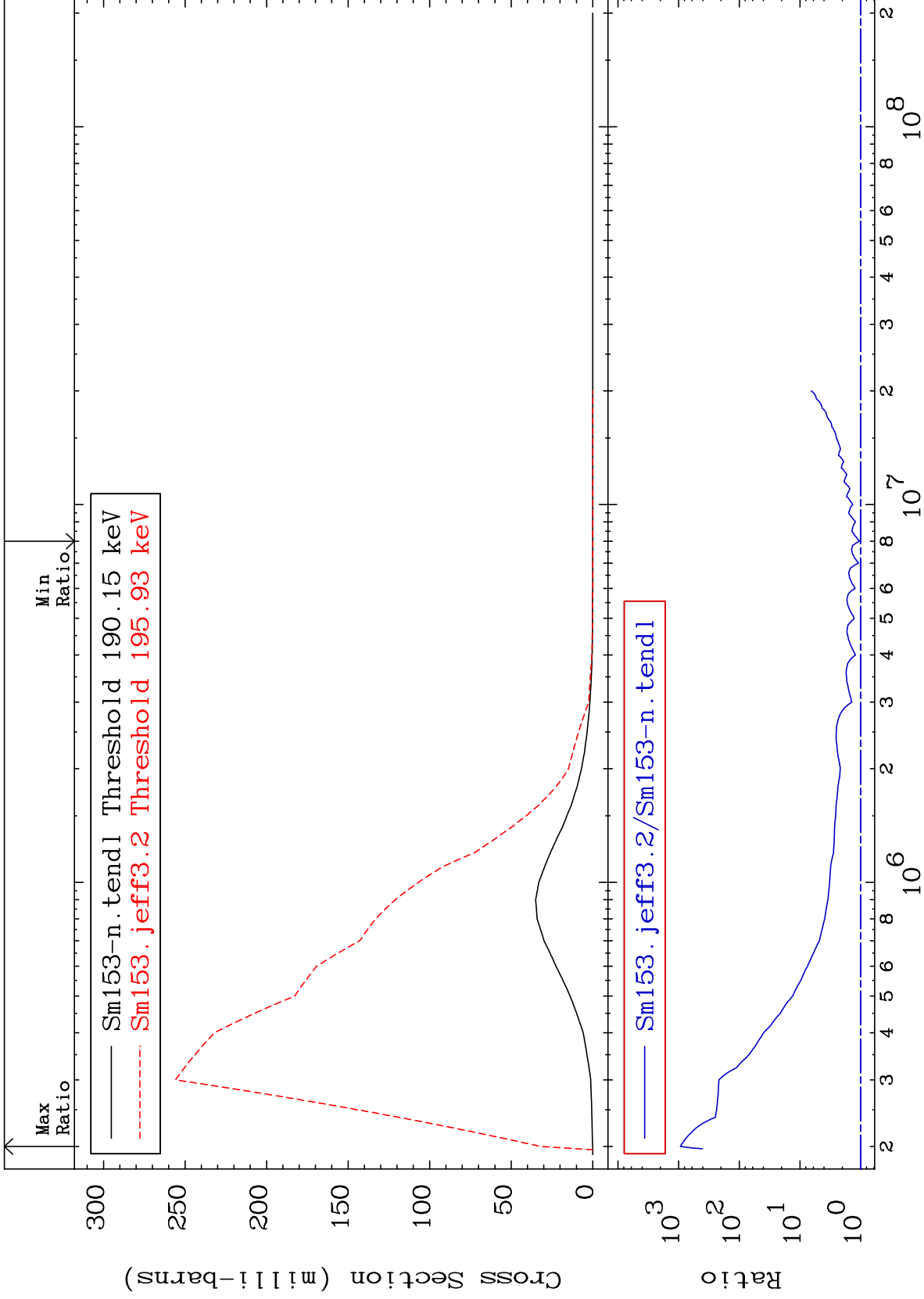
62-Sm-153
-99.91 To 1234. %



MAT 6252

188.9 keV (n,n') Level
Cross Section

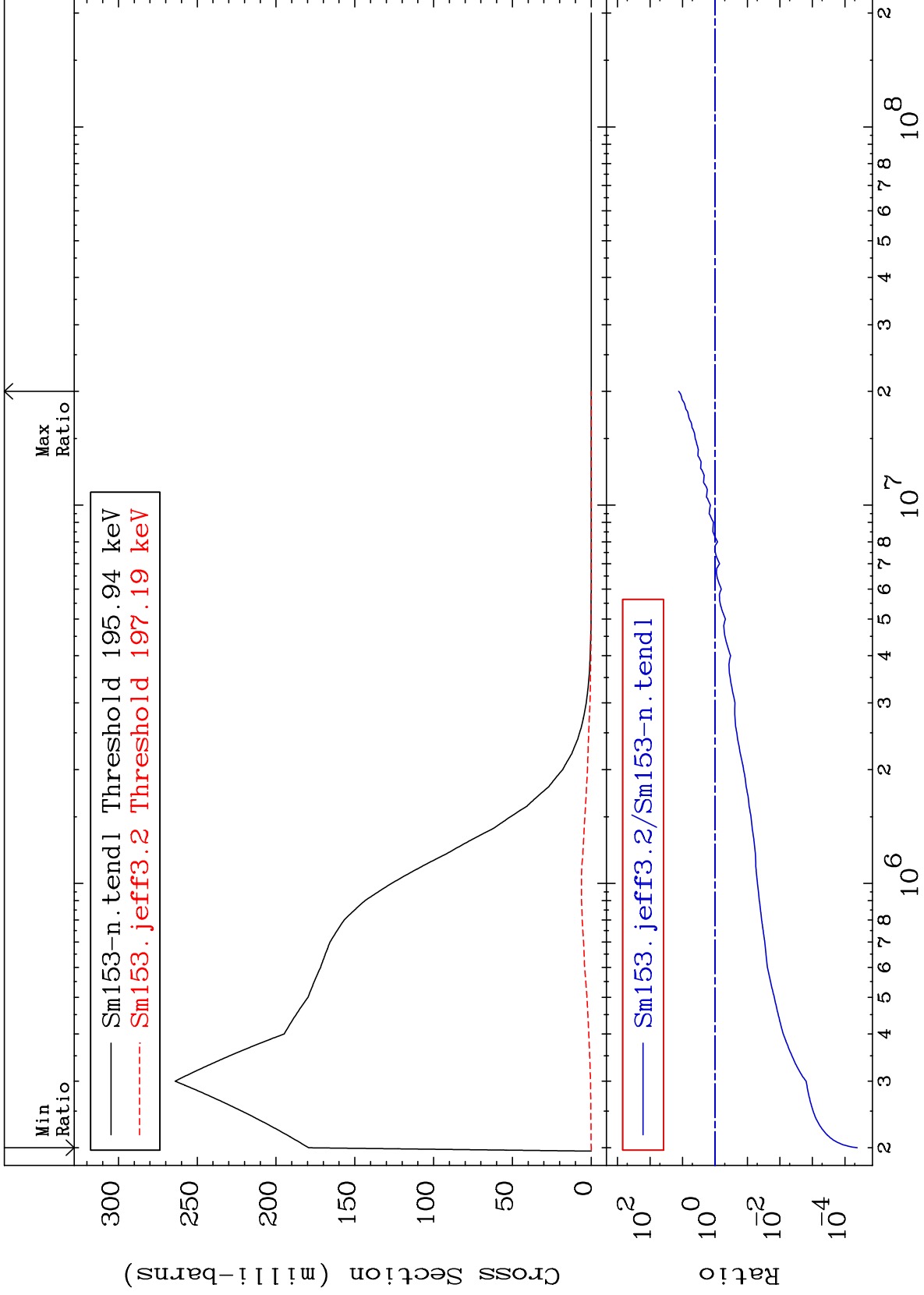
62-Sm-153
4.445 To 9999. %



MAT 6252

194.7 keV (n,n') Level
Cross Section

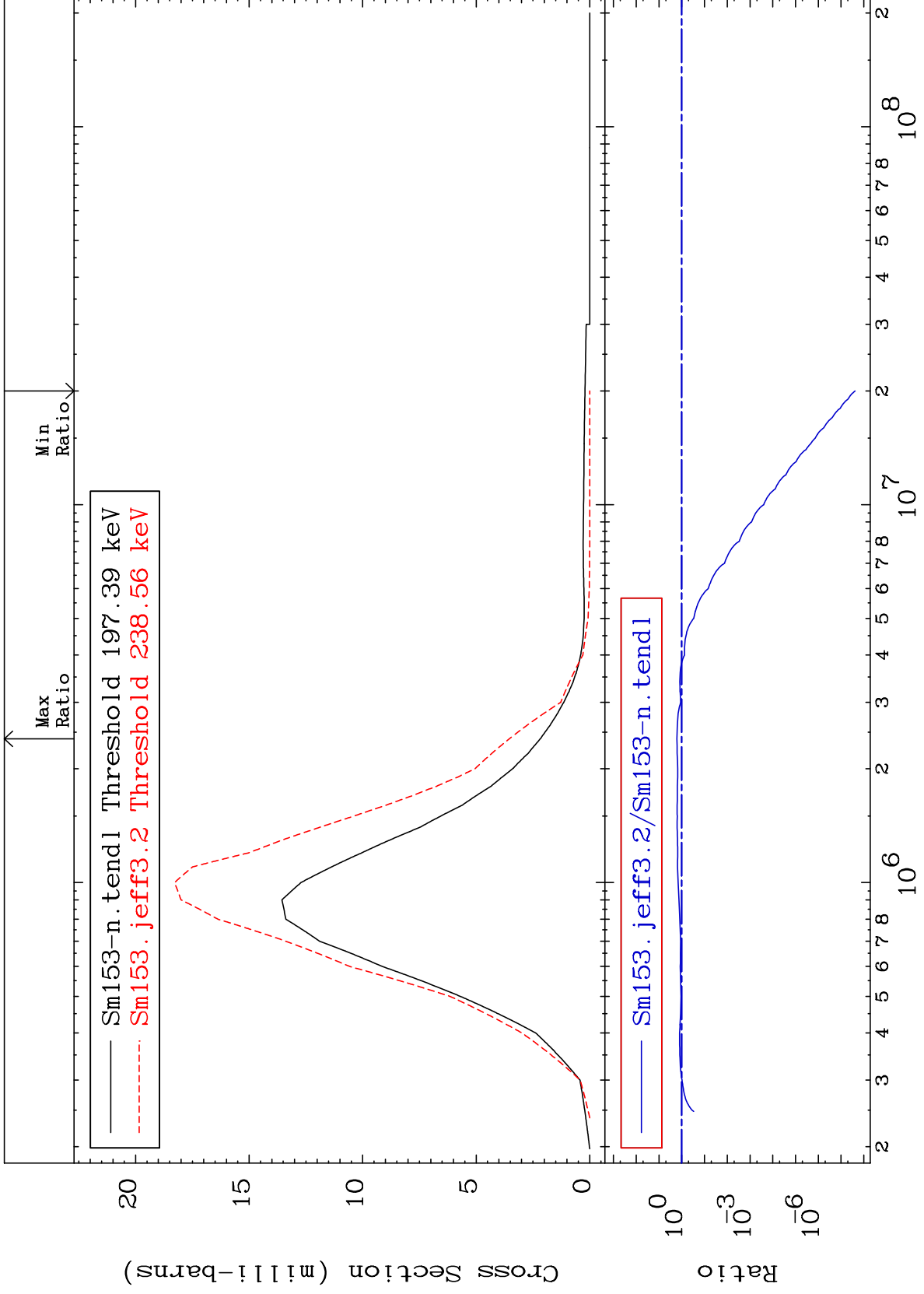
62-Sm-153
-100.0 To 1215. %



MAT 6252

196.1 keV (n,n') Level
Cross Section

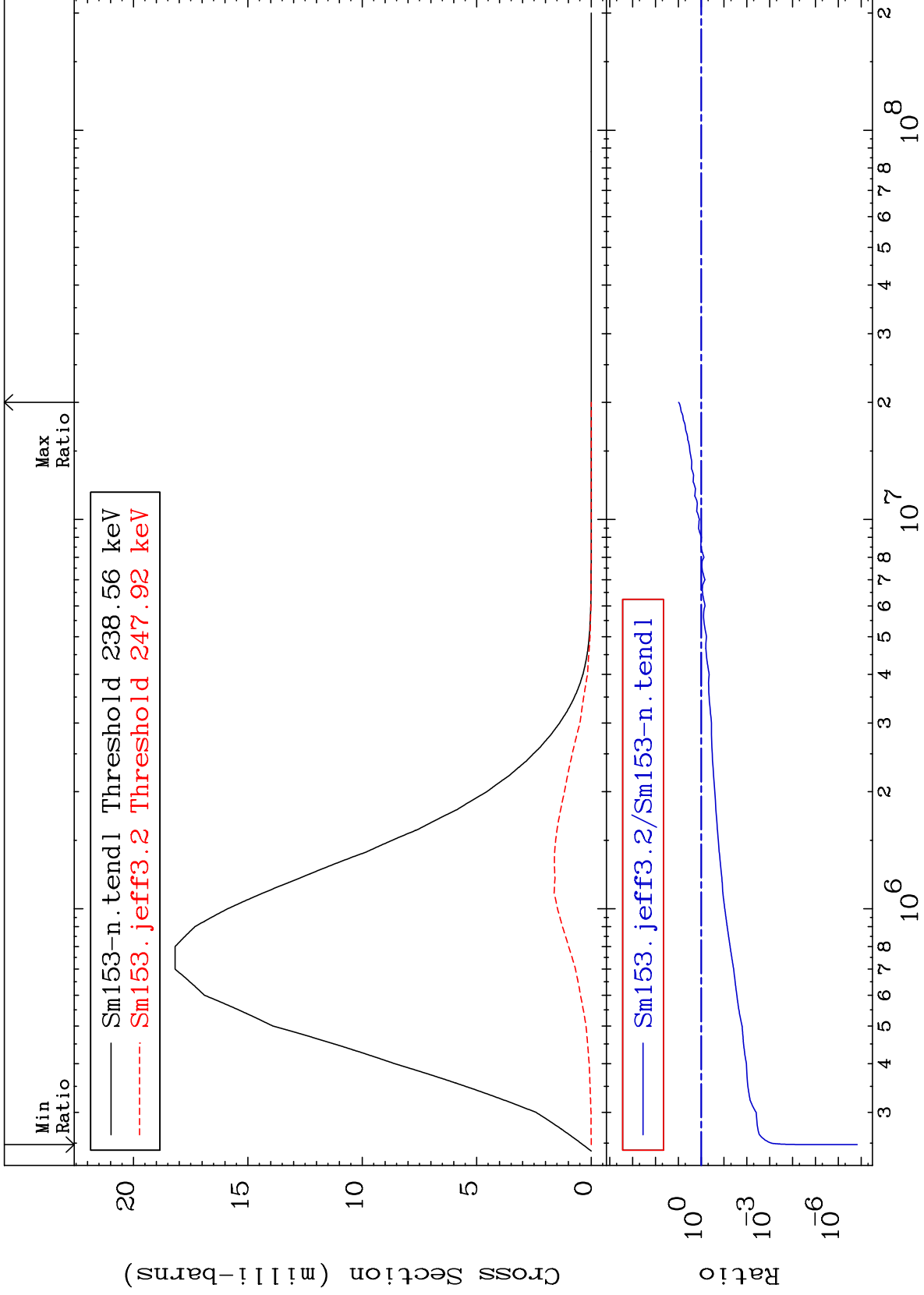
62-Sm-153
-100.0 To 62.67 %



MAT 6252

237.0 keV (n,n') Level
Cross Section

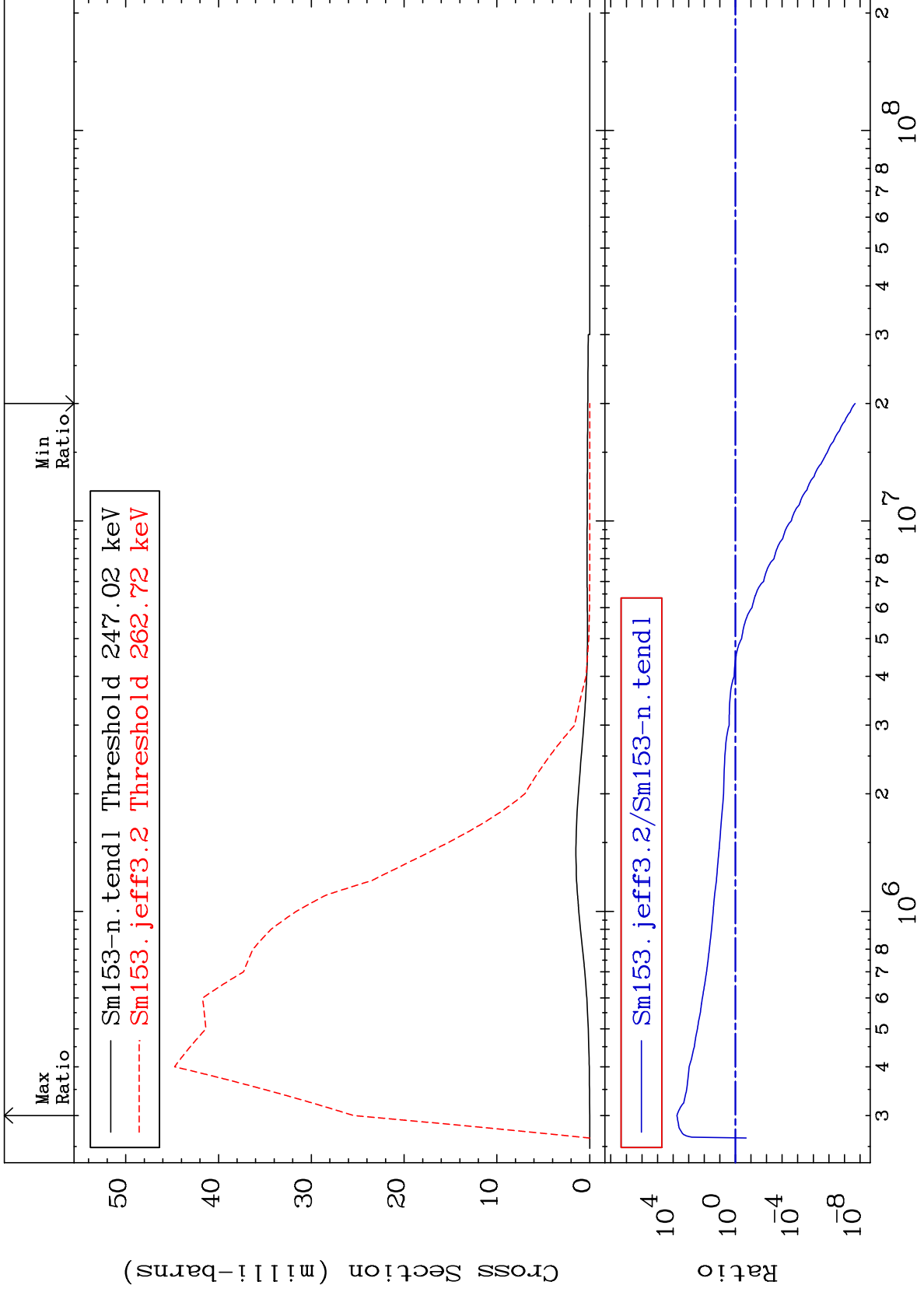
62-Sm-153
-100.0 To 870.2 %

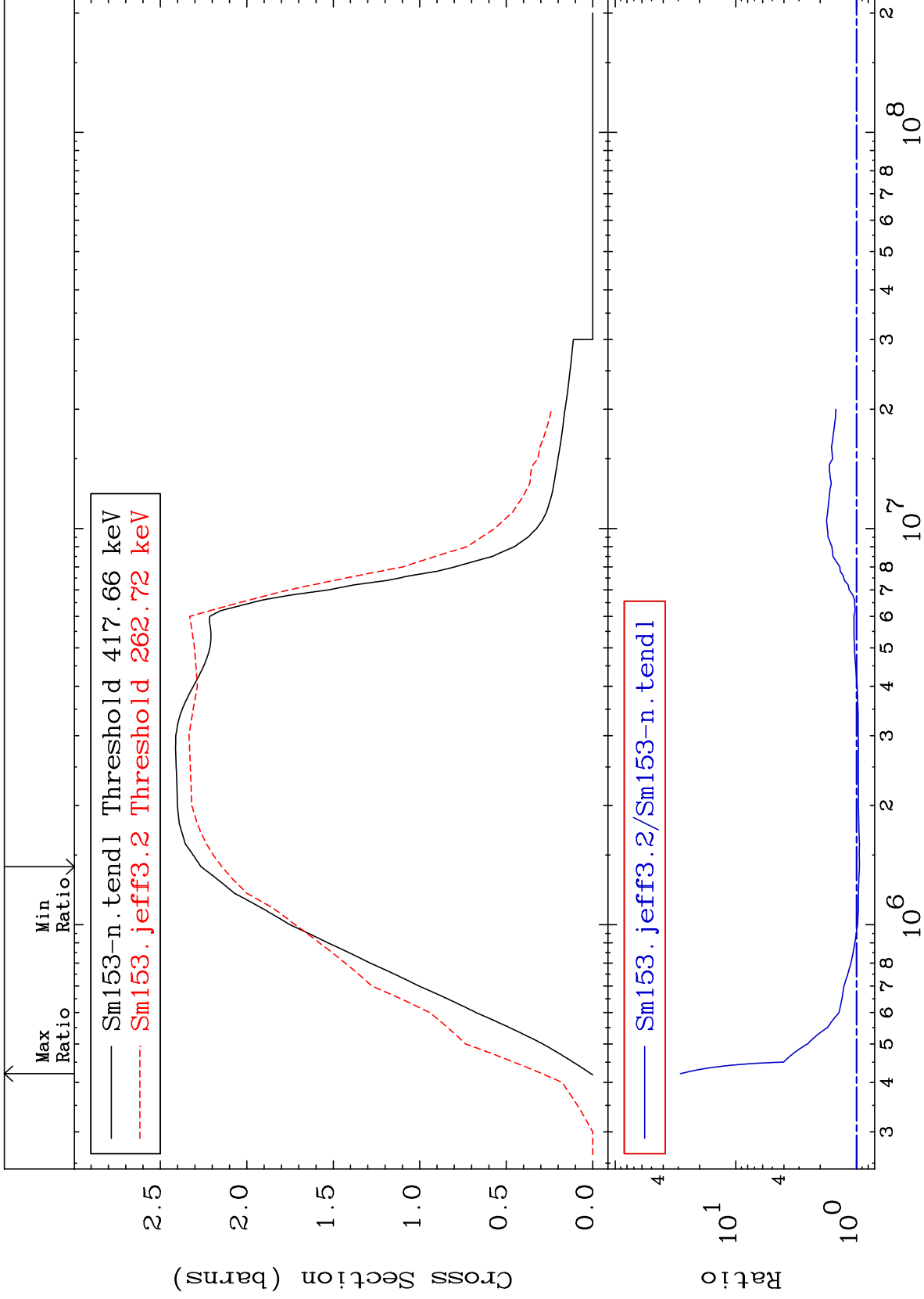


MAT 6252

245.4 keV (n,n') Level
Cross Section

62-Sm-153
-100.0 To 9999. %

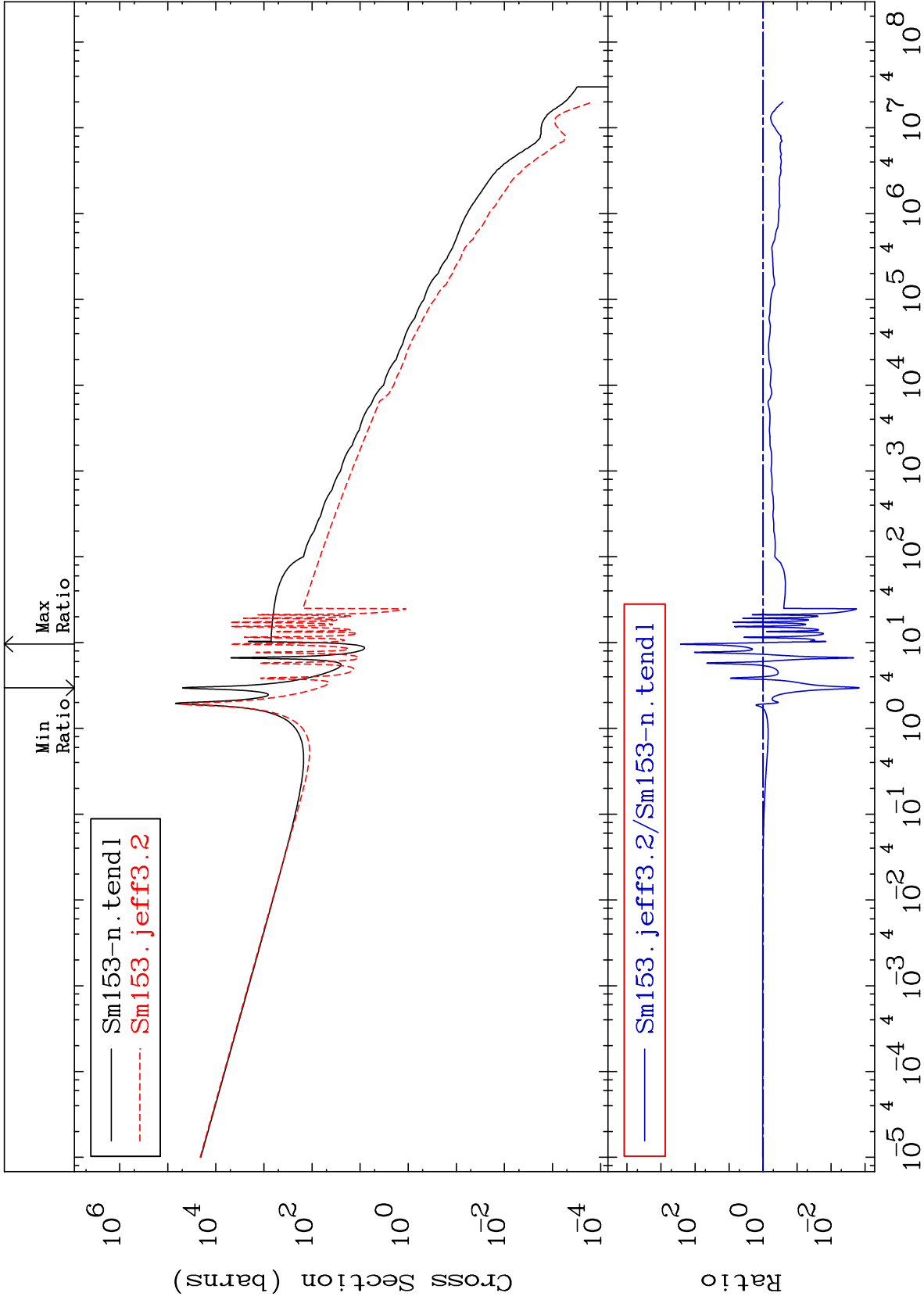




MAT 6252

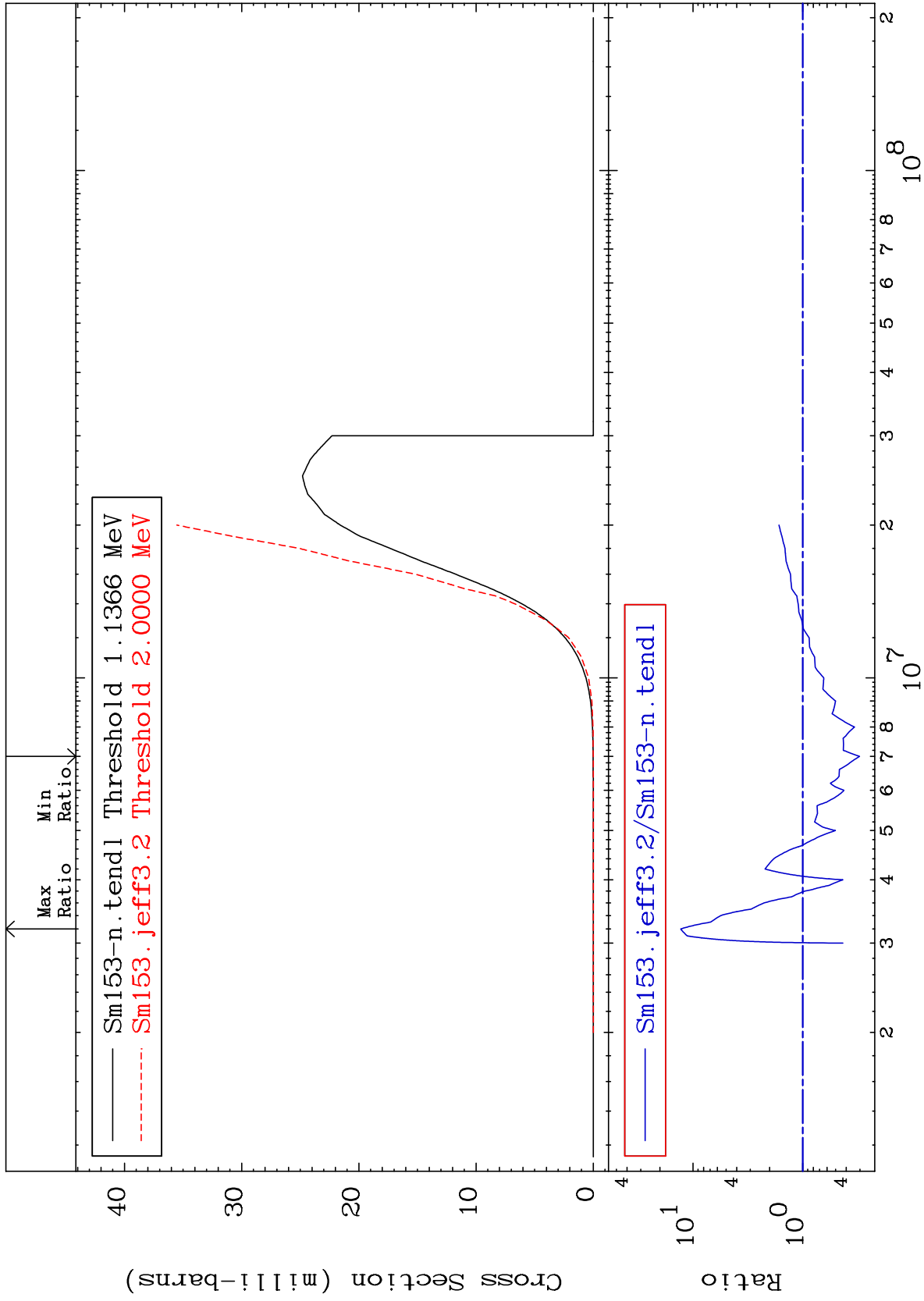
(n, γ)
Cross Section

62-Sm-153
-99.85 To 9999. %



Cross Section

-69.71 To 1193. %



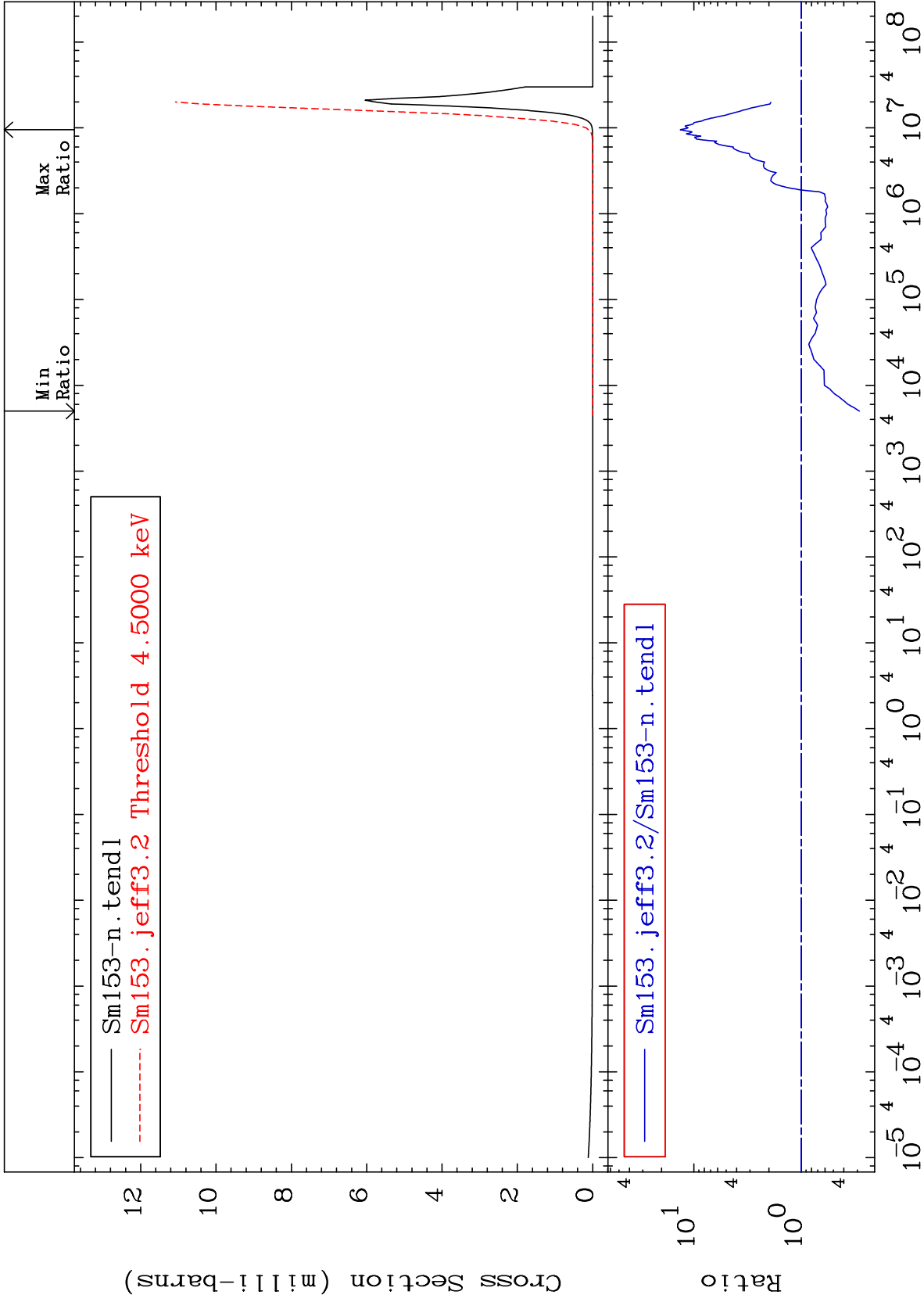
MAT 6252

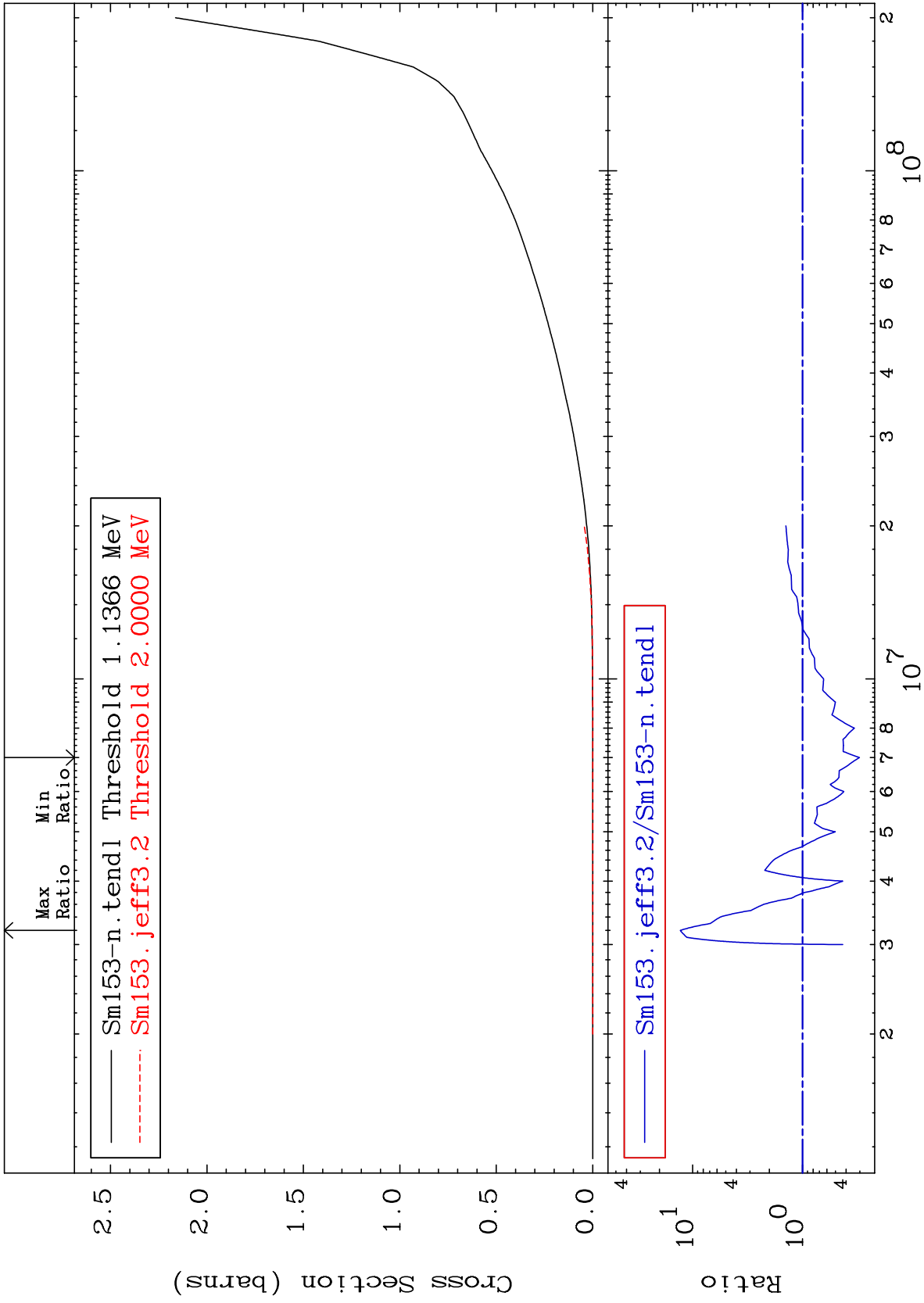
(n, α)

62-Sm-153

Cross Section

-71.37 To 1238. %

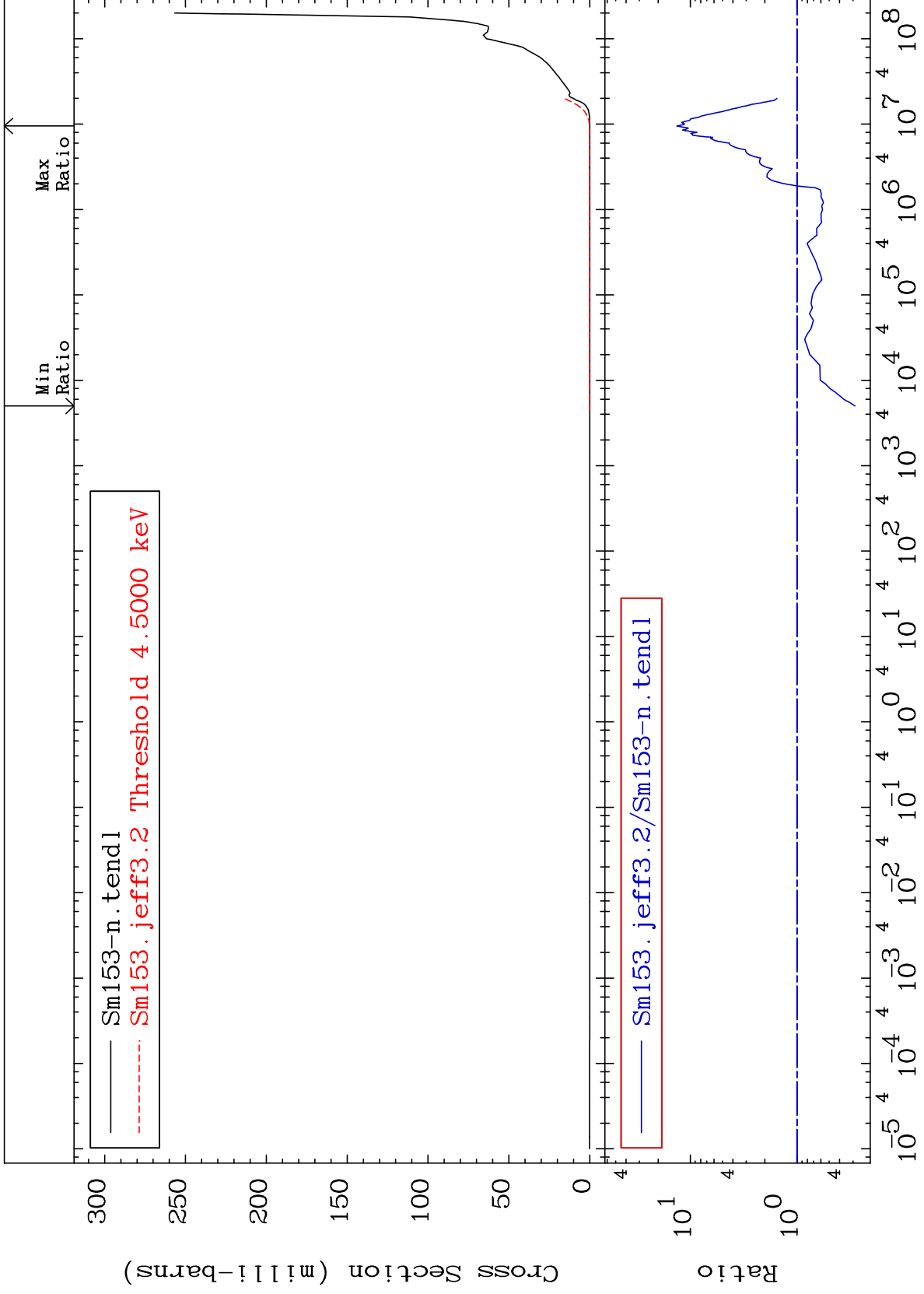




MAT 6252

He-4 Production
Cross Section

62-Sm-153
-71.37 To 1234. %



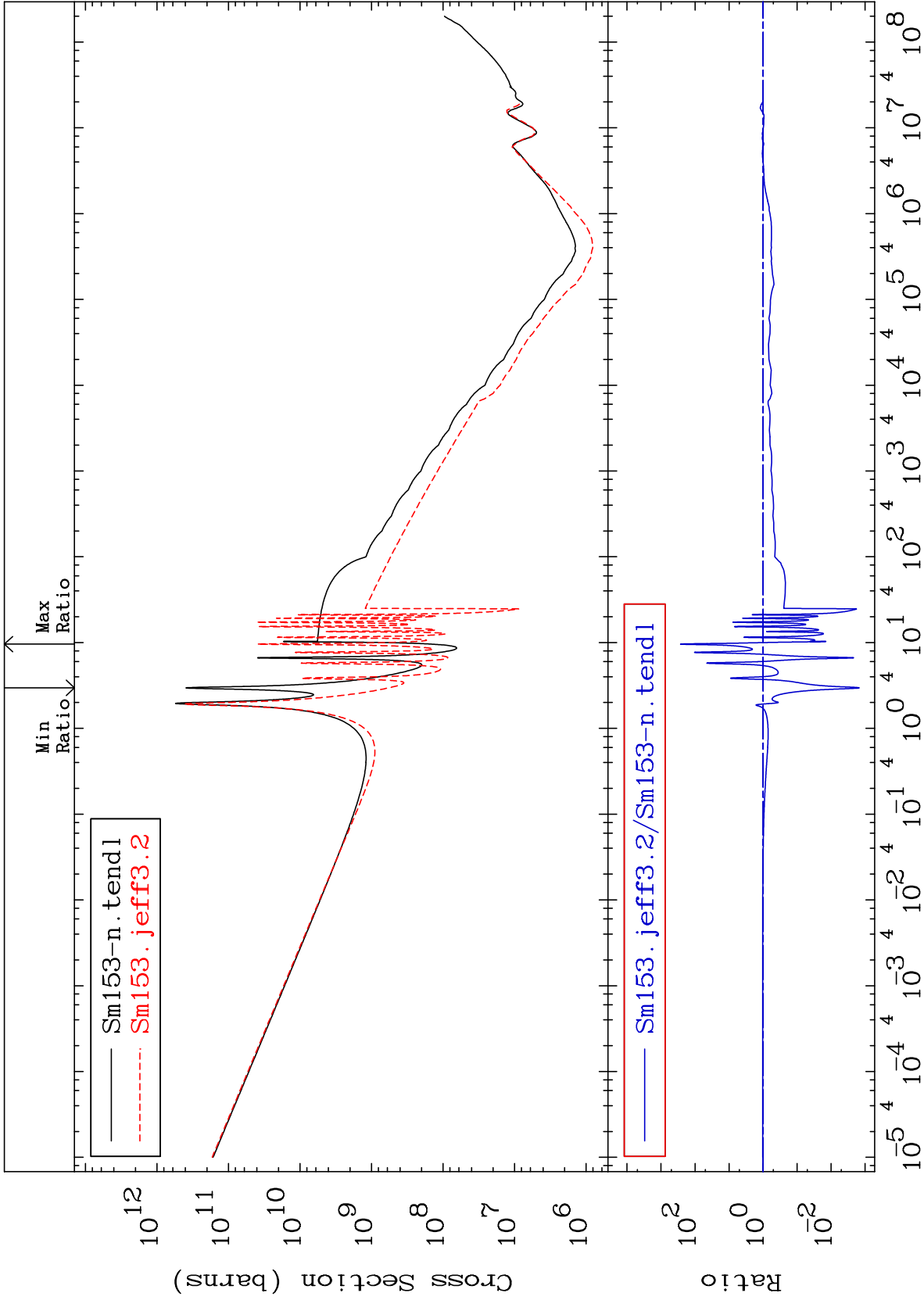
MAT 6252

Kerma total (eV-barns)

62-Sm-153

-99.85 To 9999. %

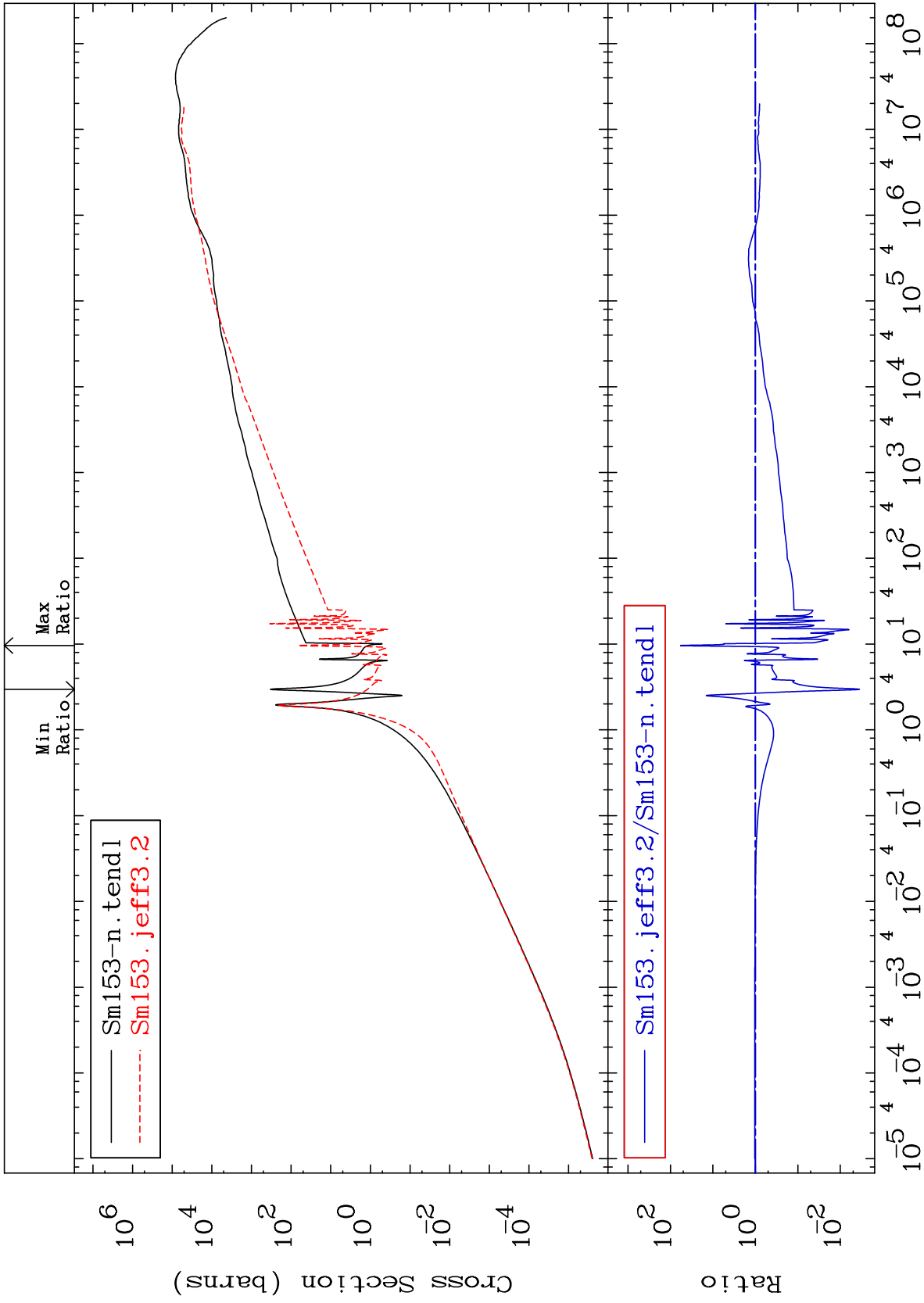
Cross Section

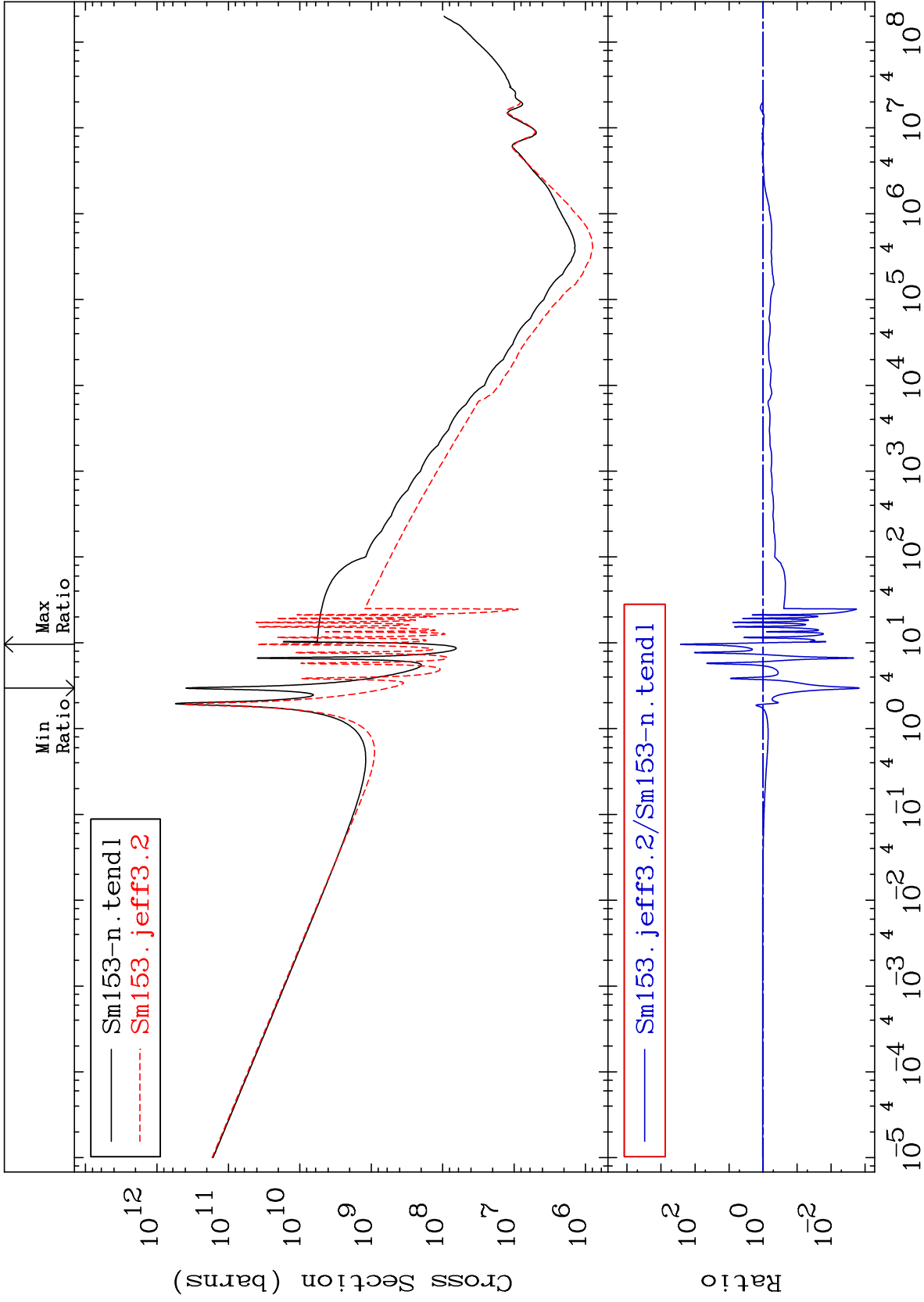


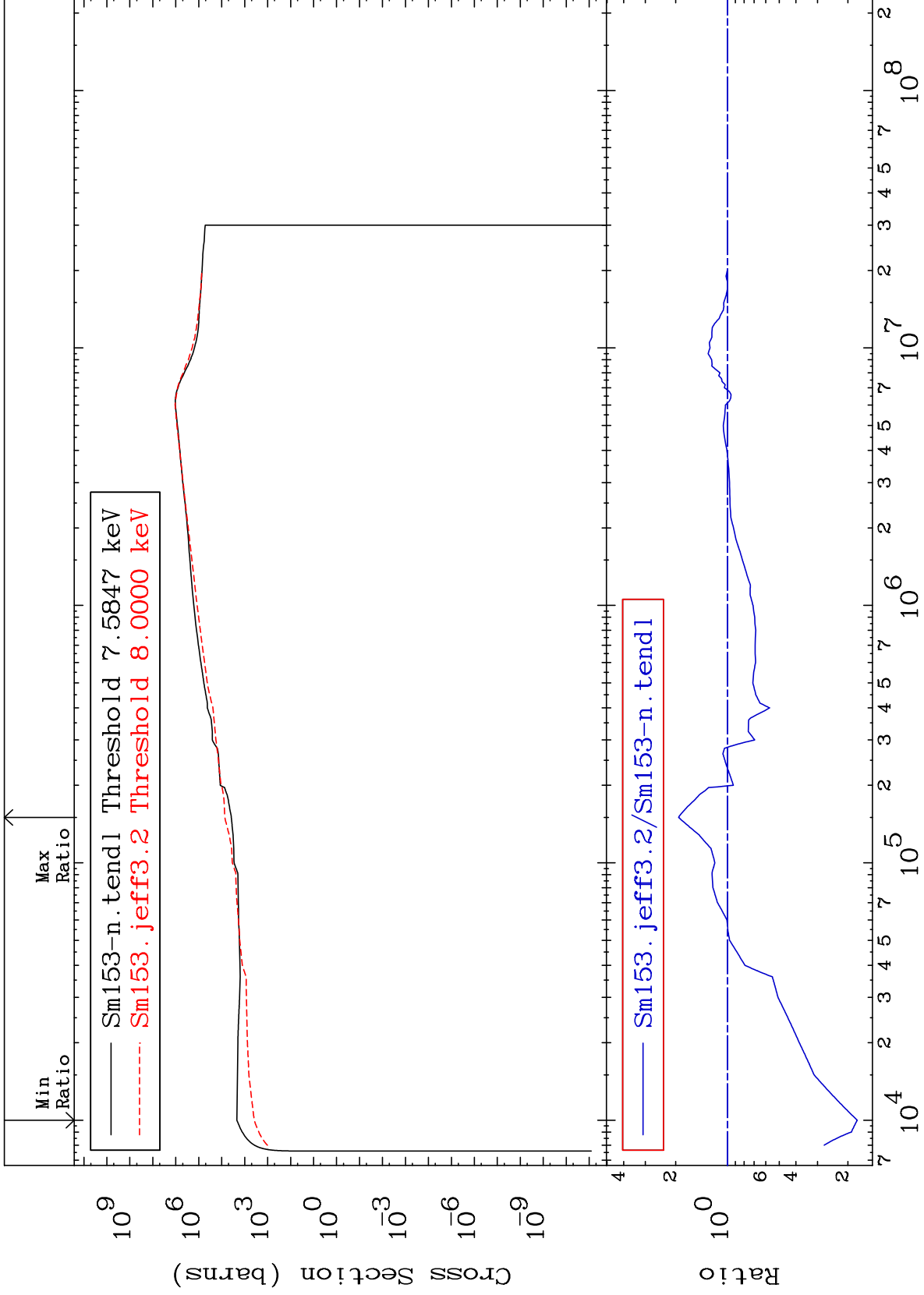
MAT 6252

Kerma elastic
Cross Section

62-Sm-153
-99.64 To 5744. %



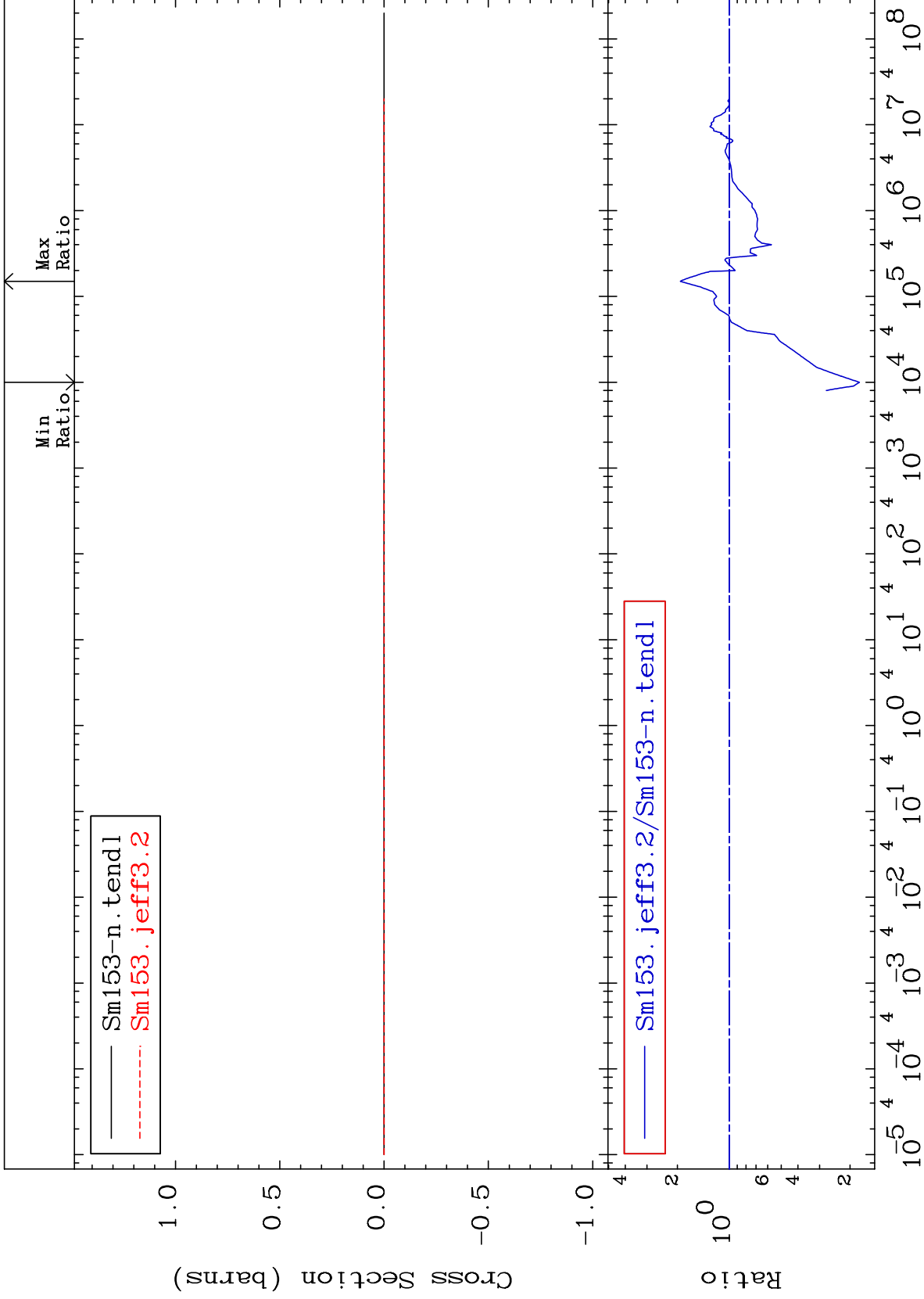




MAT 6252

Kerma fission (mt18 or mt19-20-21-38)
Cross Section

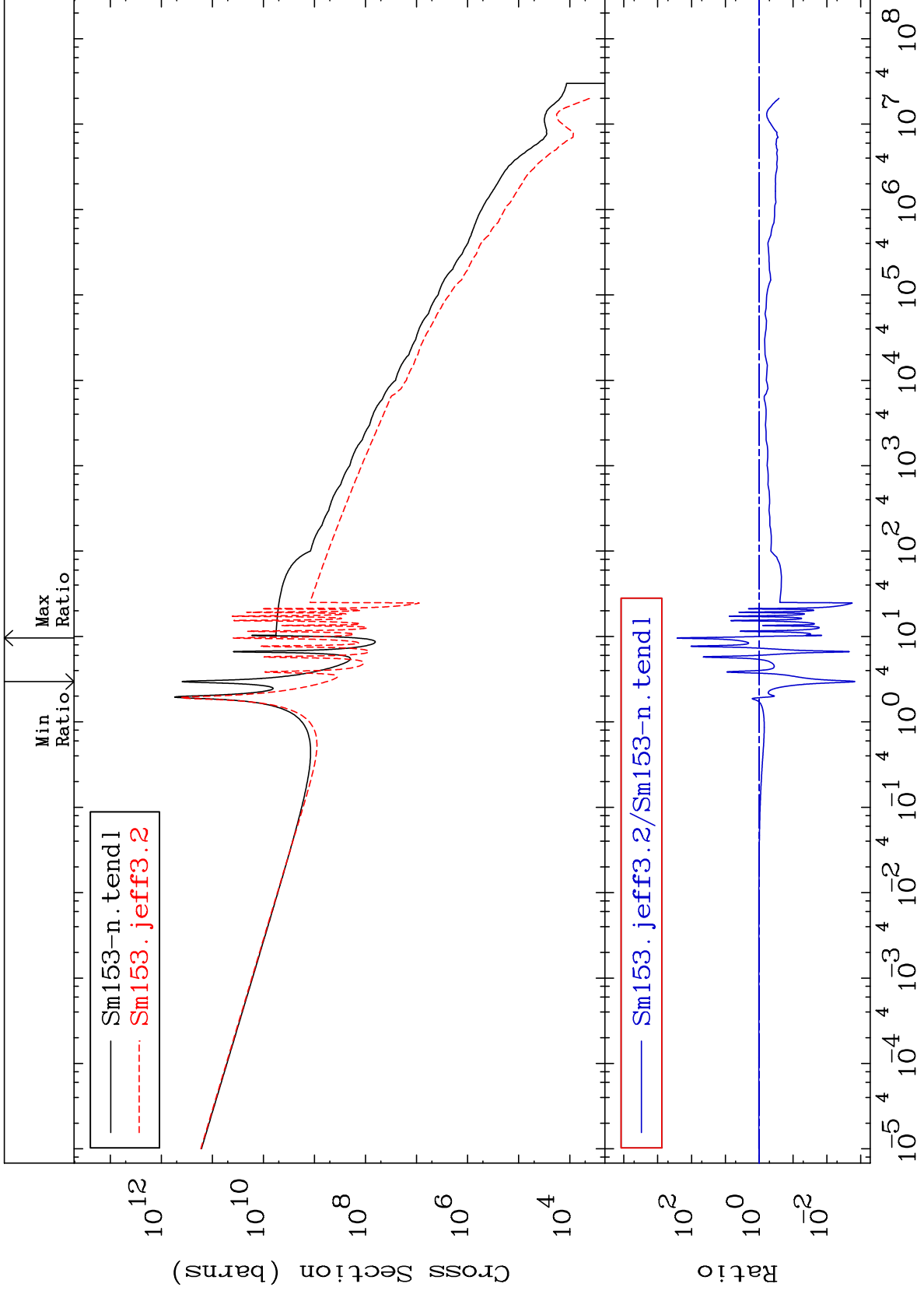
62-Sm-153
-82.38 To 92.06 %

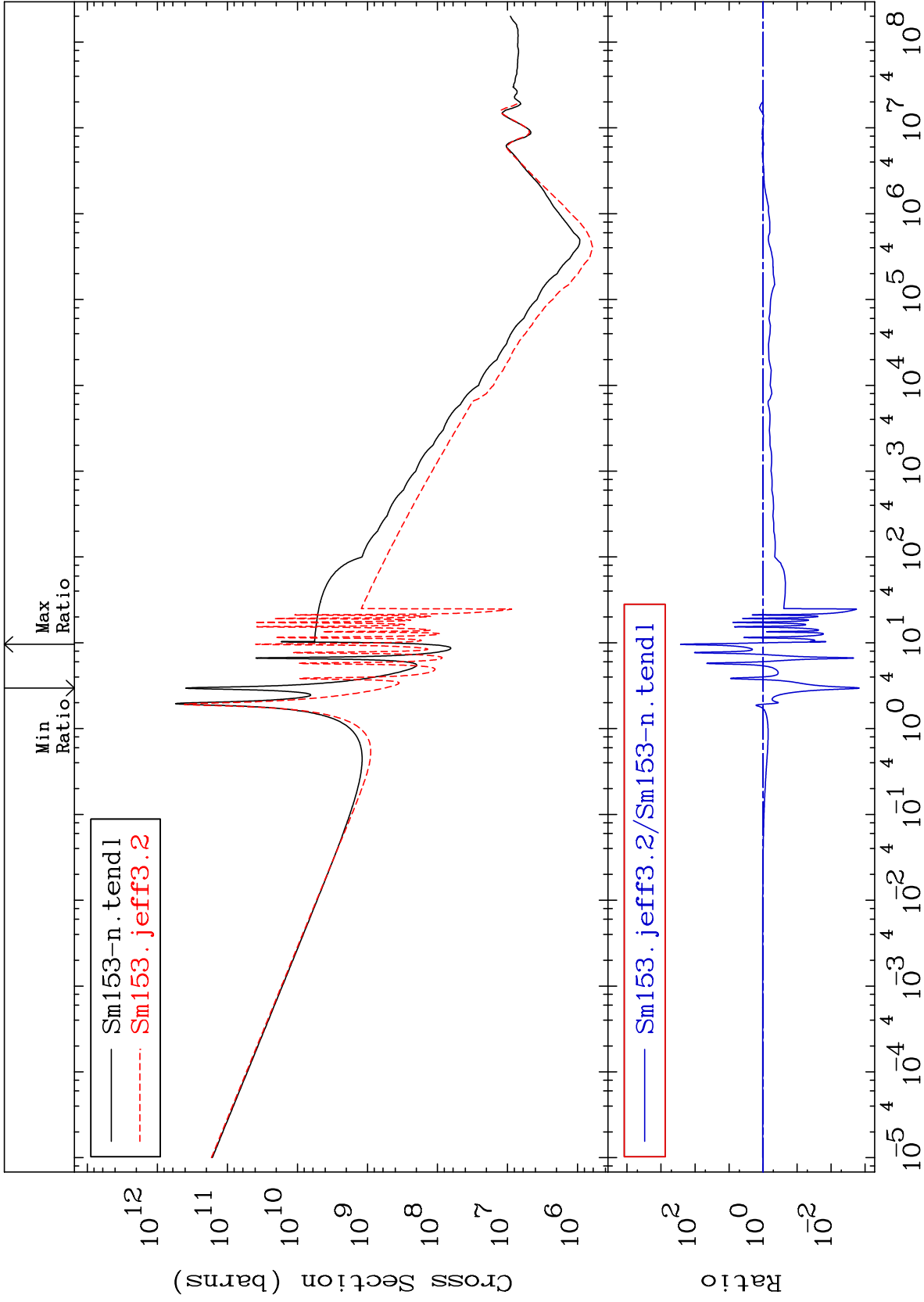


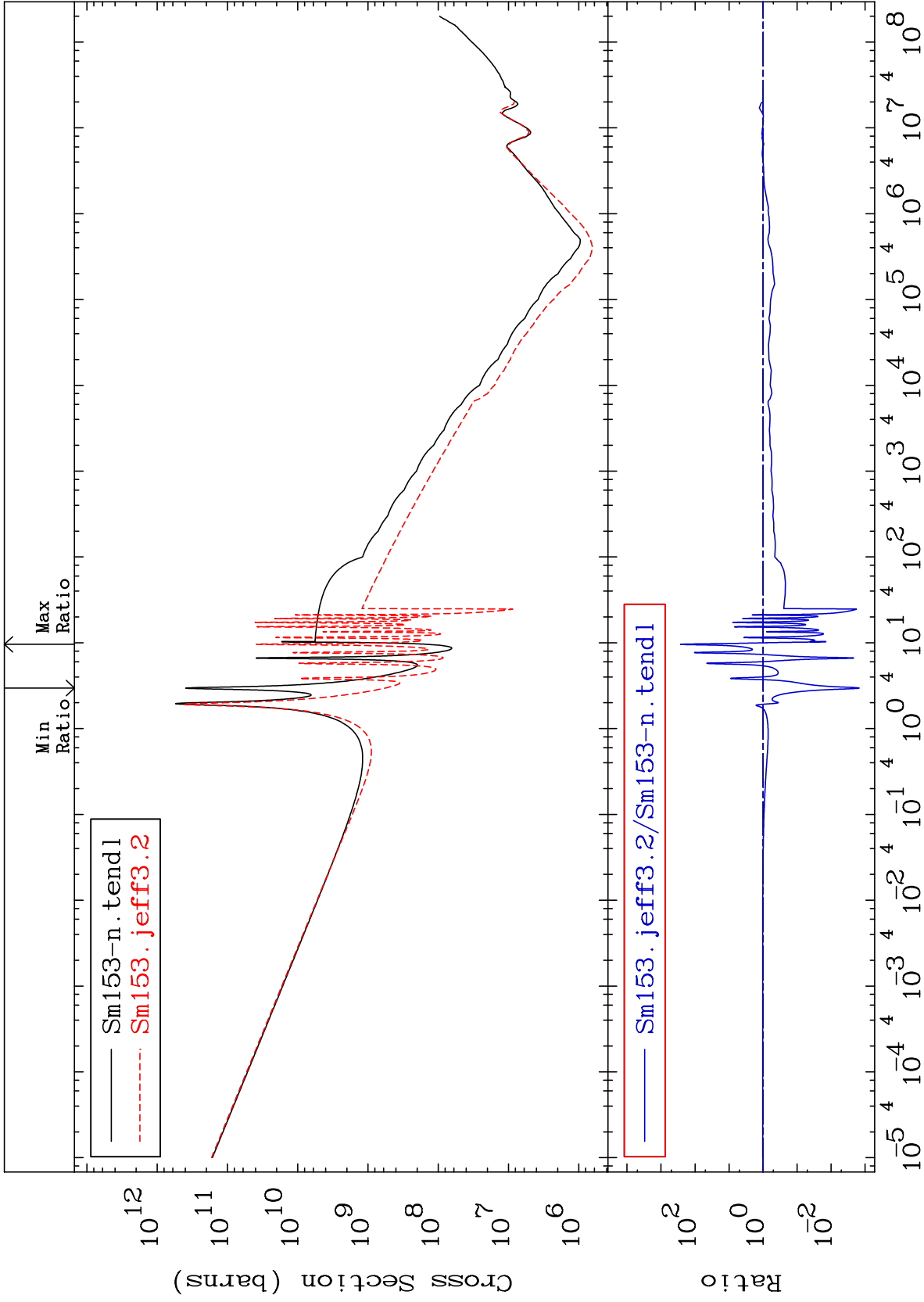
MAT 6252

Kerma capture (mt102)
Cross Section

62-Sm-153
-99.85 To 9999. %



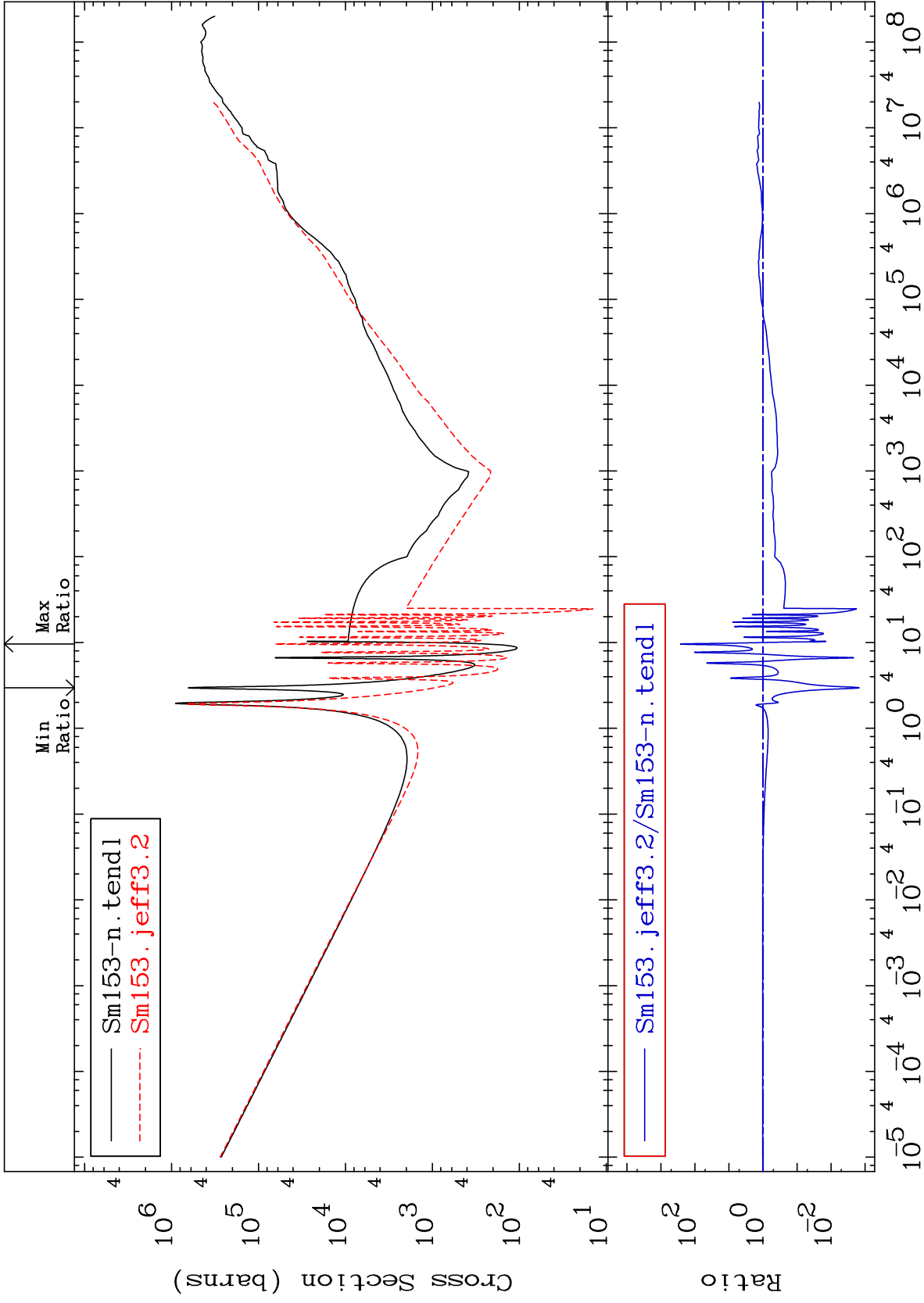




MAT 6252

Dpa total (eV-barns)
Cross Section

62-Sm-153
-99.85 To 9999. %



40

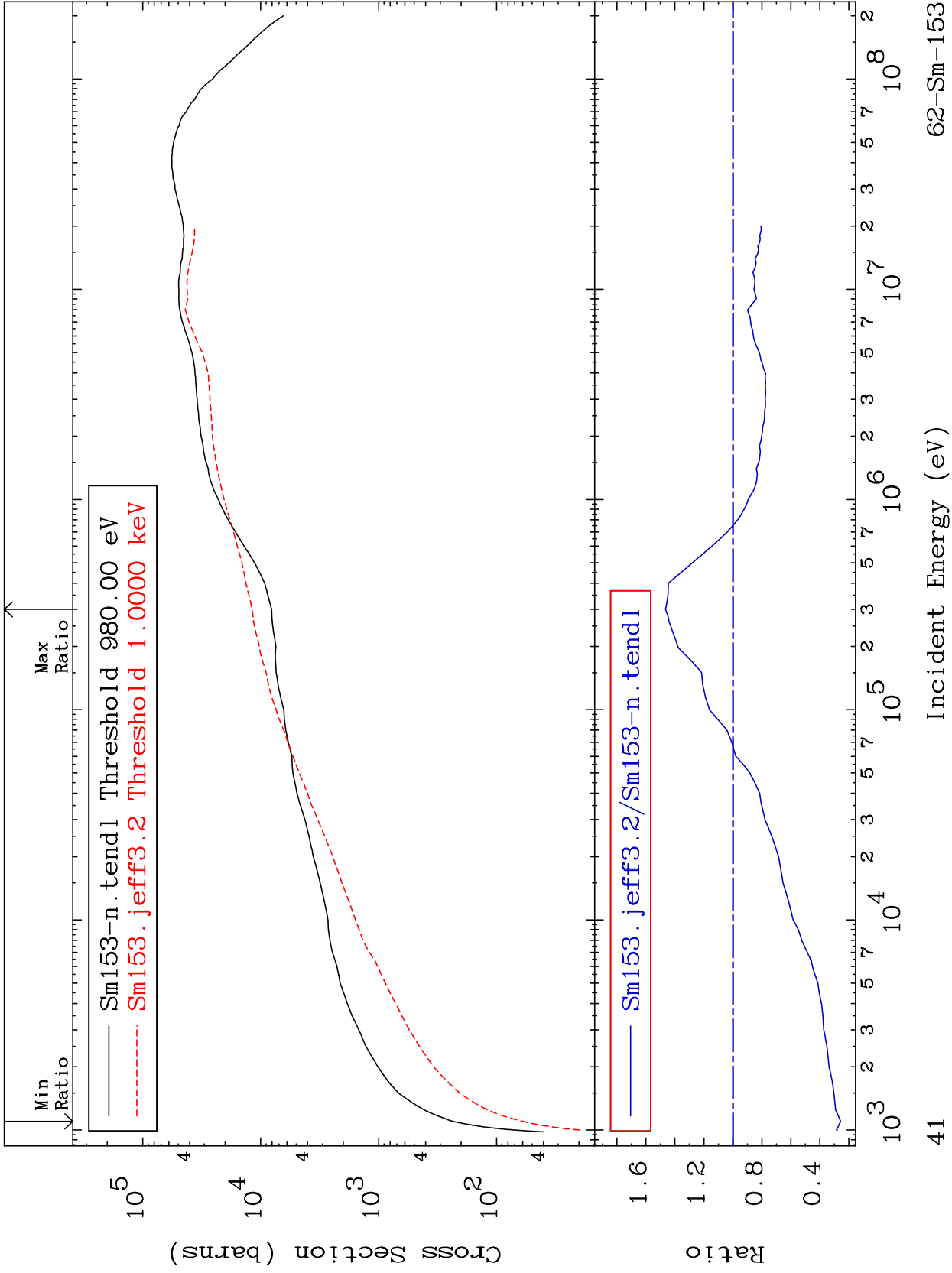
Incident Energy (eV)

62-Sm-153

MAT 6252

Dpa elastic (mt2)
Cross Section

62-Sm-153
-74.38 To 46.50 %



41

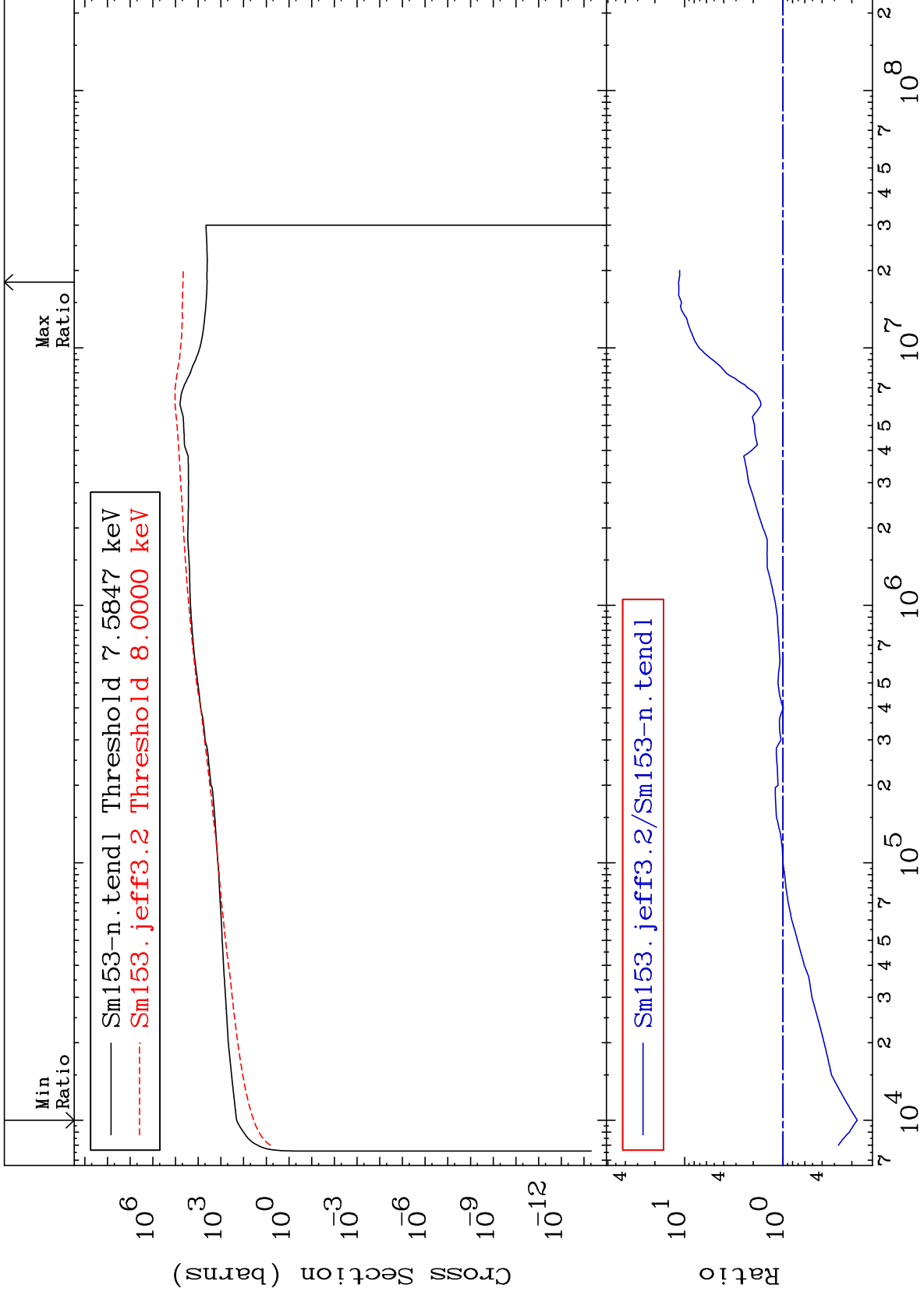
Incident Energy (eV)

62-Sm-153

MAT 6252

Dpa inelastic (mt51-91)
Cross Section

62-Sm-153
-82.40 To 1048. %



MAT 6252

Dpa disappearance (mt102 -120)
Cross Section

62-Sm-153
-99.85 To 9999. %

